

MIL-STD-1683A(SH)
8 November 1982

SUPERSEDING
MIL-STD-1683(SH)
3 September 1976

MILITARY STANDARD

CONNECTORS AND JACKETED CABLE,

ELECTRIC, SELECTION STANDARD

FOR SHIPBOARD USE



FSC 5935
FSC 6145

MIL-STD-1683A(SH)

8 November 1982

DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND

Connectors and Jacketed Cable,
Electric, Selection Standard
For Shipboard Use
MIL-STD-1683A(SH)

1. This Military Standard is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to Commander, Naval Sea Systems Command, ATTN: SEA 5523, Washington, DC 20362 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

MIL-STD-1683A(SH)
8 November 1982

FOREWORD

1. The purpose of this standard is to standardize on connector/insert and wiring assignments for jacketed shipboard cable for new ship design. This standard covers the majority of uses and is arranged in a form for quick reference and selection. The applicable connector specification should be used for specific design details.

MIL-STD-1683A(SH)
8 November 1982

CONTENTS

Paragraph		Page
1.	SCOPE	1
1.1	Scope	1
2.	REFERENCED DOCUMENTS	1
2.1	Issue of documents	1
3.	GENERAL REQUIREMENTS	4
3.1	Connector selection	4
3.2	Shell size/insert arrangement combinations	4
3.3	Overall shield or group shield	4
3.4	Discontinued and obsolete cables	4
3.5	Armored cable and RFI adapters	4
4.	DETAIL REQUIREMENTS	4
4.1	Connector and cabling configurations	4
4.2	Connector inserts to cables	4
4.3	Cables not listed	4
4.4	Insert arrangements	4
4.5	Part numbering system	9
4.6	Back shell hardware	10

TABLES

Table	I	MIL-C-5015 Connector Inserts to MIL-C-915 Cable Cross Reference	5
	II	MIL-C-915 Cable to MIL-C-5015 Connector/Insert Cross Reference	6-8
	III	MIL-C-5015 Contact Information	8
	IV	MIL-C-28840 Connector Inserts to MIL-C-915 Cable Cross Reference	51
	V	MIL-C-915 Cable to MIL-C-28840 Connector Insert Cross Reference	51
	VI	MIL-C-28840 Contact Information	52

MIL-STD-1683A(SH)
8 November 1982

SECTION 100 - GENERAL CONNECTORS

INSERT 10SL-3 - (3 Contacts, size 16)
INSERT 12S-3 - (2 Contacts, size 16)
INSERT 14S-2 - (4 Contacts, size 16)
INSERT 16S-1 - (7 Contacts, size 16)
INSERT 18-1 - (10 Contacts, size 16)
INSERT 18-6 - (1 Contact, size 4)
INSERT 20-2 - (1 Contact, size 0)
INSERT 20-4 - (4 Contacts, size 12)
INSERT 20-27 - (14 Contacts, size 16)
INSERT 22-22 - (4 Contacts, size 8)
INSERT 22-23 - (8 Contacts, size 12)
INSERT 24-28 - (24 Contacts, size 16)
INSERT 28-21 - (37 Contacts, size 16)
INSERT 32-17 - (4 Contacts, size 4)
INSERT 36-5 - (4 Contacts, size 0)
INSERT 36-10 - (48 Contacts, size 16)
INSERT 40-56 - (85 Contacts, size 16)
INSERT 40-62 - (60 Contacts, size 16)
INSERT 44-52^{1/} - (104 Contacts, size 16)
INSERT 44-52^{2/} - (104 Contacts, size 16 MIL-C-5015 connector on both ends or
a 104 Contact, size 16 MIL-C-5015 connector on one end and
a 90 or 120-pin rectangular connector on the other end.)

^{1/}For type 1SAU-44, 2SWU-30, 2SU-30, 2SWAU-30, MSCU-91, TTSU-50, 3SU-24,
3SWU-24, MSP and MSPW cable.

^{2/}For type 2U45 cable.

MIL-STD-1683A(SH)
8 November 1982

1. SCOPE

1.1 Scope. This standard is intended for use in selecting the proper connector shell size and insert combination to fit a particular MIL-C-915 cable. In addition, it includes wiring information (cable conductor to connector contact assignments, data for selecting connector hardware accessories, and information regarding certain rectangular connectors.

2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

SPECIFICATIONS

MILITARY

- MIL-C-915 - Cable and Cord, Electrical, for Shipboard Use, General Specification for.
- MIL-C-915/3 - Cord, Electrical, 300 Volts, Types DCOP and TCOP.
- MIL-C-915/5 - Cable, Electrical, 300 Volts, Type DLT.
- MIL-C-915/6 - Cable, Electrical, 600 Volts, Types SHOF, DHOF, THOF, and PHOF.
- MIL-C-915/7 - Cable, Electrical Type DSWS.
- MIL-C-915/8 - Cable, Electrical, 600 Volts, Types DSS, TSS, FSS, and 7SS.
- MIL-C-915/11 - Cord, Electrical, 600 Volts, Type MCOS.
- MIL-C-915/14 - Cable, Electrical, 600 Volts, Type MHOF.
- MIL-C-915/15 - Cord, Electrical, 300 Volts, Type MMOP.
- MIL-C-915/17 - Cable, Electrical, Type PBTMU.
- MIL-C-915/19 - Cable, Electrical, Type TPU.
- MIL-C-915/20 - Cable, Electrical, 600 Volts, Type TRF.
- MIL-C-915/21 - Cable, Electrical, 125 Volts, Type TRXF.
- MIL-C-915/22 - Cable, Electrical, 300 Volts, Type TSP.
- MIL-C-915/24 - Cable, Electrical, 300 Volts, Type TTOP.
- MIL-C-915/25 - Cable, Electrical, 300 Volts, Type TTRS.
- MIL-C-915/28 - Cable, Electrical, 1000 Volts, Type SSGU.
- MIL-C-915/29 - Cable, Electrical, 1000 Volts, Type DSGU.
- MIL-C-915/30 - Cable, Electrical, 1000 Volts, Type TSGU.
- MIL-C-915/31 - Cable, Electrical, 1000 Volts, Type FSGU.
- MIL-C-915/32 - Cable, Electrical, 1000 Volts, Type MSCU (Including Variations MSCA and MSCS).
- MIL-C-915/34 - Cable, Electrical, 1000 Volts, Type 7SGU.
- MIL-C-915/35 - Cable, Electrical, Type TCJU and TCTU.
- MIL-C-915/37 - Cable, Electrical, 300 Volts, Type TTSU.
- MIL-C-915/38 - Cable, Electrical Types TCJX, TCKX and TCTX.
- MIL-C-915/39 - Cable, Electrical, Type PI.
- MIL-C-915/40 - Cable, Electrical, 600 Volts, Types DPS, FPS, TPS, and 7PS.
- MIL-C-915/41 - Cable, Electrical, 600 Volts, Type 2AU and 2AUS.
- MIL-C-915/42 - Cable, Electrical, Type 1S50MU and 1S50MUS.
- MIL-C-915/43 - Cable, Electrical, 300 Volts, Type MU and MUS.
- MIL-C-915/44 - Cable, Electrical, Type 1SWU.
- MIL-C-915/45 - Cable, Electrical, Type 2SU and 2SUS.
- MIL-C-915/46 - Cable, Electrical, Type 2SWAU.
- MIL-C-915/47 - Cable, Electrical, Type 1SWAU.
- MIL-C-915/48 - Cable, Electrical, Type 2SWF.
- MIL-C-915/49 - Cable, Electrical, Type 2SWU.
- MIL-C-915/50 - Cable, Electrical, 300 Volts, Type MS.
- MIL-C-915/51 - Cable, Electrical, Type 3SU.
- MIL-C-915/52 - Cable, Electrical, Type 3SWU.
- MIL-C-915/53 - Cable, Electrical, Type 3U.
- MIL-C-915/54 - Cable, Electrical, 600 Volts, Type ECM.
- MIL-C-915/55 - Cable, Electrical, Type 1S75MU.
- MIL-C-915/56 - Cable, Electrical, Type 1SMU.
- MIL-C-915/57 - Cable, Electrical, Type 1SAU.
- MIL-C-915/58 - Cable, Electrical, 600 Volts, Type MWF.
- MIL-C-915/59 - Cable, Electrical, Type 1SU.

MIL-STD-1683A(SH)

8 November 1982

MILITARY - (Continued)

- MIL-C-915/60 - Cable, Electrical, 600 Volts, Types 2SJ, 3SJ and 4SJ.
- MIL-C-915/61 - Cable, Electrical, Type S2S.
- MIL-C-915/62 - Cable, Electrical, 600 Volts, Type 3SF.
- MIL-C-915/63 - Cable, Electrical, 300 Volts, Type 2U.
- MIL-C-915/64 - Cable, Electrical, 600 Volts, Type 2WAU.
- MIL-C-915/65 - Cable, Electrical, Type 1SMWU.
- MIL-C-915/66 - Cable, Electrical, 59 - Conductor, Type MSPW.
- MIL-C-915/67 - Cable, Electrical, 59 - Conductor, Type MSP.
- MIL-C-915/68 - Cable, Electrical, 1000 Volts, Two Conductor, Type DNW.
- MIL-C-915/69 - Cable, Electrical, 1000 Volts, Three Conductor, Type TNW.
- MIL-C-915/70 - Cable, Electrical, 1000 Volts, Four Conductor, Type FNW.
- MIL-C-915/71 - Cable, Electrical, 1000 Volts, Multiconductor, Type MNW.
- MIL-C-915/72 - Cable, Electrical, 300 Volts, Type TPNW.
- MIL-C-915/73 - Cable, Electrical, 3000 Volts, Type SRW, DRW and TRW.
- MIL-C-915/74 - Cable, Electrical, 600 Volts, Type 5SS.
- MIL-C-915/75 - Cable, Electrical, Type 8NW6.
- MIL-C-915/76 - Cable, Electrical, Type 4NW8.
- MIL-C-915/77 - Cable, Electrical, Type 2SWL-7.
- MIL-C-915/78 - Cable, Electrical, Type and Size 2UW-42.
- MIL-C-5015 - Connectors, Electric, AN Type, General Specification for.
- MIL-C-22520 - Crimping Tools, Terminal Hand or Power Actuated Wire Termination and Tool Kits, General Specification for.
- MIL-C-22520/1 - Crimping Tools, Terminal, Hand, Wire Termination for Wire Barrel Sizes 12 Through 20.
- MIL-C-22520/2 - Crimping Tools, Terminal, Hand, Wire Termination for Wire Barrel Sizes 20 Through 28.
- MIL-C-28731 - Connector, Electrical, Rectangular, Removal Contact Formed Blade, Fork Type (For Rack and Panel and other Applications), General Specification for.
- MIL-C-28731/17 - Connector, Electrical, Insert (Insulator) Male, Rectangular, Polarized, Center Screw Lock, For 120 Removable Contacts.
- MIL-C-28731/20 - Connector, Electrical, Contact, Fork Type, Crimp Removable (8.5 Amperes).
- MIL-C-28840 - Connector, Electrical, Circular, Threaded, High Density, High Shock Shipboard, Class D, General Specification for.
- MIL-C-28840/6 - Connector, Electrical, Circular Threaded, High Shock, High Density, Shipboard, Backshell, Straight, Cable Sealing and Shield Termination, Connector, Electric.
- MIL-C-28840/8 - Connector, Electrical, Circular Threaded, High Shock, High Density, Shipboard, Backshell, 90° Cable Sealing and Shield Termination, Connector, Electric.
- MIL-C-28840/9 - Connector, Electrical, Circular Threaded, High Shock, High Density, Shipboard, Backshell, 45° Cable Sealing and Shield Termination, Connector, Electric.
- MIL-C-28840/10 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Receptacle, Wall Mounting, Classes D and DS.
- MIL-C-28840/11 - Connectors, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts, Receptacle, Cable Connecting, Classes D and DS.
- MIL-C-28840/12 - Connectors, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Receptacle, Mounting Box, Classes D and DS.
- MIL-C-28840/14 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Receptacle, Jam Nut Mounting, Classes D and DS.
- MIL-C-28840/16 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Classes D and DS.
- MIL-C-28840/17 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Assembly, Open Wire, Classes D and DS.
- MIL-C-28840/18 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Assembly, Open Wire 90°, Classes D and DS.

MIL-STD-1683A(SH)
8 November 1982

MILITARY - (Continued)

- MIL-C-28840/19 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Assembly, Open Wire 45°, Classes D and DS.
- MIL-C-28840/20 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Receptacle, Wall Mounting, Assembly, Straight, Classes DJ and DJS.
- MIL-C-28840/21 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Receptacle, Cable Connecting Assembly, Straight, Classes DJ and DJS.
- MIL-C-28840/26 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug Assembly, Straight, Classes DJ and DJS.
- MIL-C-28840/28 - Connector, Electrical, Circular Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Assembly, 90° Classes DJ and DJS.
- MIL-C-28840/29 - Connector, Electrical, Circular, Screw Threads, High Density, High Shock, Shipboard, Crimp Contacts Plug, Assembly, 45°, Classes DJ and DJS.
- MIL-C-39029 - Contacts, Electrical, General Specification for.
- MIL-C-39029/44 - Contact, Electrical Connector, Pin, Crimp Removable, (For MIL-C-5015 Series MS3400 Connectors).
- MIL-C-39029/45 - Contact, Electrical Connector, Socket, Crimp Removable, (For MIL-C-5015 Series MS3400 Connectors).
- MIL-C-39029/83 - Contacts, Electrical Connector, Pin, Crimp Removable (For MIL-C-28840 Connectors).
- MIL-C-39029/84 - Contacts, Electrical Connector, Socket, Crimp Removable (For MIL-C-28840 Connectors).
- MIL-I-81969 - Installing and Removal Tools, Connector Electrical Contact, General Specification for.
- MIL-I-81969/33 - Installing and Removable Tools, Connector Electrical Contact, Type I, Class I, Composition A (For use with MIL-C-28840) EC (Connectors).
- MIL-I-81969/34 - Installing and Removable Tools, Connector Electrical contact, Type II, Class I, Composition A (For use with MIL-C-28840) EC (Connectors).

STANDARDS

MILITARY

- MIL-STD-1310 - Shipboard Bonding, Grounding, and Other Techniques for Electro-magnetic Compatibility and Safety.
- MIL-STD-1698 - Insert Arrangements for MIL-C-28840(EC) High Density Shock Circular Electrical Connectors.
- MS3150 - Dies For Crimping MS3190 Type B Contact Wire Barrels (Install Dies in MS25441-1 Head).
- MS3187 - Plug, End Seal, For MIL-C-26482, MIL-C-5015, MIL-C-81703 and MIL-C-83723 Electrical Connectors.
- MS3188 - Backshell, 90°, Cable Sealing and Shield Termination, Connector, Electric.
- MS3189 - Backshell, 45°, Cable Sealing, and Shield Termination, Connector, Electric.
- MS3348 - Contact, Bushing, Electric Wire Barrel.
- MS3400 - Connector, Receptacle, Electric, Wall Mounting, Front Release, Crimp Contact, AN Type. (Inactive for Design)
- MS3401 - Connector, Receptacle, Electric, Cable Connecting, Front Release, Crimp Contact, AN Type.
- MS3402 - Connector, Receptacle, Electric, Jam Nut Mounting, Front Release, Crimp Contact, AN Type.
- MS3404 - Connector, Receptacle, Electric, Jam Nut Mounting, Front Release, Crimp Contact, AN Type.
- MS3406 - Connector, Plug, Electric, Front Release, Crimp Contact, AN Type.
- MS3408 - Connector, Plug, Electric, 90° Assembly, Crimp Contact, AN Type.
- MS3409 - Connector, Plug, Electric, 45° Assembly, Crimp Contact, AN Type.
- MS3437 - Backshell, Straight, Cable Sealing and Shield Termination, Connector, Electric.

MIL-STD-1683A(SH)
8 November 1982

MILITARY - (Continued)

- MS25441 - Crimping Tool, Terminal, Hydraulic Operated, Wire Size 8 Through 4/0.
- MS27186 - Plug, End Seal, Electrical Connector Sizes 16, 20, and 50 Ohms Coaxial.
- MS90455 - Installing Tool, Electrical Connector Contact.
- MS90456 - Tool, Removal, Contact, Connector.

(Copies of specifications and standards, required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

3. GENERAL REQUIREMENTS

3.1 Connector selection. The connectors and shipboard jacketed cable shall be selected from the lists specified in this standard. The lists are formulated on the basis of the particular connector insert arrangement for MIL-C-915 cable considering maximum outside wire cable diameter, quantity, and size of conductors versus quantity and accommodating size of the contacts.

3.2 Shell size/insert arrangement combinations. The shell size/insert arrangement combinations included have been selected by cable outer diameter, quantity of contacts associated with the cable characteristics, both to minimize the number of different insert combinations and to keep the number of unused contacts to a minimum.

3.3 Overall shield or group shield. The overall shield or group shield (for example shielded singles, shielded pairs) are treated as a conductor and are listed in the wiring information as a conductor to be connected through a connector contact. This approach indicates a maximum usage or worse case condition. Shielding techniques are in accordance with MIL-STD-1310.

3.4 Discontinued and obsolete cables. Discontinued and obsolete cables are not contained in this document.

3.5 Armored cable and R.F.I. adapters. Armored cables shall have the same connector/insert and contact assignments as their counterparts (for example TSGA-3 same as TSGU-3). Additionally, the RFI adapter is required on backshells.

4. DETAIL REQUIREMENTS

4.1 Connector and cabling configurations. This standard provides connector and cabling information for the following configurations:

- (a) MIL-C-5015 connectors on both ends of MIL-C-915 cable.
- (b) Type 2U45 cable (MIL-C-915/63):
 - (1) 104-pin, size 16 contact, MIL-C-5015 connector on both ends.
 - (2) 104-pin, size 16 contact, MIL-C-5015 connector on one end and a 90- or 120-pin rectangular connector on the other end.
- (c) MIL-C-28840 - Connectors on both ends of MIL-C-915 cable.

4.2 Connector inserts to cable. The appropriate insert to cable requirements are given in the applicable section of this standard.

4.3 Cables not listed. MIL-C-915 cable types which do not appear in the connector/insert data sheets are omitted because of various mismatches.

4.4 Insert arrangements. The insert views depicted on the connector/insert data sheets represent the wiring side of a socket (receptacle) and present information regarding quantity and size of contacts.

MIL-STD-1683A(SH)

8 November 1982

SECTION 100

TABLE I. MIL-C-5015 Connector inserts to MIL-C-915 cable cross-reference.

INSERT	CABLES
10SL-3 (11-3)	DSS-2, TCOP-2, TNW-3, TPNW-1-1/2, TTSU-1-1/2, 2SJ-16, -18, -20, -22, 2SWU-1
12S-3 (13-3)	DCOP-1, -1-1/2, -2, DHOF-3, DNW-3, DPS-3, DSGU-3, SHOF-3, TCKX-1, TCTX-1
14S-2 (15-2)	DLT, DSS-3, FHOF-3, FNW-3, FSGU-3, MCOS-2, S2S, THOF-3, TPS-3, TSS-2, -3, 1SWF-2, 1SWU-2, 3SJ-16, -18, -20, -22, TSGU-3, FSS-2, -3, MCOS-4, -5, MHOF-7, MMOP-5, MNW-7, MSCU-7, MWF-7, TCJX-3, TCKX-3, TCTX-3, TPNW-3, TTOP-3, TTRS-2, TTSU-3, 4SJ-16, -20, 5SS, 7SGU-3
16S-1 (17-1)	MCOS-6, -7, MHOF-10, MNW-10, MSCU-10, MWF-10, PBTMU-5, PI-3, TPNW-5, TTOP-5, TTSU-5, 1SMU-5, 2SU-3, 2SWAU-3, 2SWF-3, 2SWU-3, 3U-3, 7SS-2
18-1	SHOF-23, SSGU-50
18-6	SHOF-60, SSGU-75, -100, TRF-105, TRXF-84
20-2	DHOF-4, -6, DNW-4, DPS-4, -6, DRW, DSGU-4, DSS-4, DSWS-4, FHOF-4, FNW-4, FSGU-4, SRW, TCJU-4, TCTU-4, THOF-4, -6, TNW-4, TPS-4, -6, TRW, TSGU-4, TSS-4, 2SJ-12, -14, 3SJ-12, -14
20-27	MHOF-14, MNW-14, MSCU-14, MU-14, MWF-14, TCJX-7, TCKX-7, TCTX-7, TPU-6, TTRS-4, 2SWF-4, 3SU-3, 3SWU-3
22-22	DHOF-9, -14, DNW-9, -14, -23, DPS-9, -14, DSGU-9, -14, -23, FHOF-9, FNW-9, -23, FPS-14, FSGU-9, -23, THOF-9, -14, TNW-9, -14, -23, TPS-9, -14, -23, TSGU-9, -14, -23, 2SJ-7, -9, -11, 3SJ-9, 4NW-8
22-23	FSS-4, 4SJ-14, 7PS-6, 7SGU-4, 8NW-6
24-28	MHOF-19, -24, MNW-19, -24, MSCU-19, -24, MWF-19, -24, PI-7, TCTX-12, TPNW-10, TSP-11, TTOP-10, TTRS-6, -8, TTSU-10, 1S75MU-8, 2SU-7, 2SWAU-7, 2SWF-7, 2SWL-7, 2SWU-7, 2U-10, 3U-7
28-21	MHOF-30, -37, MNW-30, -37, MSCU-30, -37, MWF-30, -37, PBTMU-15, PI-12, TCJX-12, TCKX-12, TPNW-15, TTOP-15, TTRS-10, -12, TTSU-15, 1SWU-14, 1S50MU-16, 2SU-10, 2SWAU-10, 2SWU-12, 2U-15, 3SF-7, 3SU-7, 3SWU-7, 3U-12
32-17	DHOF-23, -30, DNW-50, DSGU-50, FHOF-42, FSGU-50, THOF-23, -42, TNW-50, TPS-30, TSGU-50
36-5	DHOF-83, DNW-75, -100, DSGU-75, -100, FHOF-60, FSGU-75, -100, TNW-75, -100, TSGU-75, -100
36-10	MHOF-44, MNW-44, MS-37, MSCU-44, TPNW-20, TTRS-16, TTSU-20, 1SWU-20, 1S50MU-20, 2SU-14, 2SWAU-14, 2U-19, 3SU-10, 3SWU-10
40-56	ECM, MHOF-61, MSCU-61, TPNW-40, TSP-31, TTSU-40, 1SU-36, 1S50MU-40, 2AU-40, 2SU-24, 2SWAU-24, 2SWU-24, 2U-30, 2WAU-40, 3SU-19, 3SWU-19
40-62	PBTMU-30, TPNW-30, TTSU-30, 1SWU-30, 2SU-19, 2SWAU-19, 2SWU-19, 3SU-14, 3SWU-14
44-52	MSCU-91, MSP, MSPW, TTSU-50, 1SAU-44, 2SU-30, 2SWAU-30, 2SWU-30, 2U-45, 3SU-24, 3SWU-24

MIL-STD-1683A(SH)

8 November 1982

TABLE II. MIL-C-915 Cable to MIL-C-5015 connector/insert cross-reference.

CABLE	INSERT	CABLE	INSERT	CABLE	INSERT
DCOP-1	12S-3	PHOF-3	14S-2	MNW-30	28-21
DCOP-1-1/2	12S-3	PHOF-4	20-4	MNW-37	28-21
DCOP-2	12S-3	PHOF-9	22-22	MNW-44	36-10
		PHOF-42	32-17		
DHOF-3	12S-3	PHOF-60	36-5	MS-37	36-10
DHOF-4	20-4				
DHOF-6	20-4	FNW-3	14S-2	MSCU-7	16S-1
DHOF-9	22-22	FNW-4	20-4	MSCU-10	18-1
DHOF-14	22-22	FNW-9	22-22	MSCU-14	20-27
DHOF-23	32-17	FNW-23	22-22	MSCU-19	24-28
DHOF-30	32-17			MSCU-24	24-28
DHOF-83	36-5	FPS-14	22-22	MSCU-30	28-21
				MSCU-37	28-21
DLT	14S-2	FSGU-3	14S-2	MSCU-44	36-10
		FSGU-4	20-4	MSCU-61	40-56
DNW-3	12S-3	FSGU-9	22-22	MSCU-91	44-52
DNW-4	20-4	FSGU-23	22-22		
DNW-9	22-22	FSGU-50	32-17	MSP	44-52
DNW-14	22-22	FSGU-75	36-5		
DNW-23	22-22	FSGU-100	36-5	MSPW	44-52
DNW-50	32-17				
DNW-75	36-5	FSS-2	16S-1	MU-14	20-27
DNW-100	36-5	FSS-3	16S-1		
		FSS-4	22-23	MWF-7	16S-1
DPS-3	12S-3			MWF-10	18-1
DPS-4	20-4	MCOS-2	14S-2	MWF-14	20-27
DPS-6	20-4	MCOS-4	16S-1	MWF-19	24-28
DPS-9	22-22	MCOS-5	16S-1	MWF-24	24-28
DPS-14	22-22	MCOS-6	18-1	MWF-30	28-21
		MCOS-7	18-1	MWF-37	28-21
DRW	20-4				
		MHOF-7	16S-1	PBTMU-5	18-1
DSGU-3	12S-3	MHOF-10	18-1	PBTMU-15	28-21
DSGU-4	20-4	MHOF-14	20-27	PBTMU-30	40-62
DSGU-9	22-22	MHOF-19	24-28		
DSGU-14	22-22	MHOF-24	24-28	PI-3	18-1
DSGU-23	22-22	MHOF-30	28-21	PI-7	24-28
DSGU-50	32-17	MHOF-37	28-21	PI-12	28-21
DSGU-75	36-5	MHOF-44	36-10		
DSGU-100	36-5	MHOF-61	40-56	SHOF-3	12S-3
				SHOF-23	18-6
DSS-2	10SL-3	MMOP-5	16S-1	SHOF-60	20-2
DSS-3	14S-2				
DSS-4	20-4	MNW-7	16S-1	SRW	20-4
		MNW-10	18-1		
DSWS-4	20-4	MNW-14	20-27	SSGU-50	18-6
		MNW-19	24-28	SSGU-75	20-2
ECM	40-56	MNW-24	24-28	SSGU-100	20-2

MIL-STD-1683A(SH)
8 November 1982

TABLE II. MIL-C-915 Cable to MIL-C-5015 connector/insert cross-reference. - Continued

CABLE	INSERT	CABLE	INSERT	CABLE	INSERT
S2S	14S-2	TSGU-3	14S-2	2SJ-12	20-4
TCOP-2	10SL-3	TSGU-4	20-4	2SJ-14	20-4
TCJU-4	20-4	TSGU-9	22-22	2SJ-16	10SL-3
TCJX-3	16S-1	TSGU-14	22-22	2SJ-18	10SL-3
TCJX-7	20-27	TSGU-23	22-22	2SJ-20	10SL-3
TCJX-12	28-21	TSGU-50	32-17	2SJ-22	10SL-3
		TSGU-75	36-5		
		TSGU-100	36-5	2SU-3	18-1
				2SU-7	24-28
TCKX-1	12S-3	TSP-11	24-28	2SU-10	28-21
TCKX-3	16S-1	TSP-31	40-56	2SU-14	36-10
TCKX-7	20-27			2SU-19	40-62
TCKX-12	28-21	TSS-2	14S-2	2SU-24	40-56
		TSS-3	14S-2	2SU-30	44-52
		TSS-4	20-4		
TCTU-4	20-4			2SWAU-3	18-1
		TTOP-3	16S-1	2SWAU-7	24-28
TCTX-1	12S-2	TTOP-5	18-1	2SWAU-10	28-21
TCTX-3	16S-1	TTOP-10	24-28	2SWAU-14	36-10
TCTX-7	20-27	TTOP-15	28-21	2SWAU-19	40-62
TCTX-12	24-28			2SWAU-24	40-56
				2SWAU-30	44-52
THOF-3	14S-2	TTRS-2	16S-1		
THOF-4	20-4	TTRS-4	20-27	2SWF-3	18-1
THOF-6	20-4	TTRS-6	24-28	2SWF-4	20-27
THOF-9	22-22	TTRS-8	24-28	2SWF-7	24-28
THOF-14	22-22	TTRS-10	28-21		
THOF-23	32-17	TTRS-12	28-21	2SWL-7	24-28
THOF-42	32-17	TTRS-16	36-10		
				2SWU-1	10SL-3
TNW-3	10SL-3	TTSU-1-1/2	10SL-3	2SWU-3	18-1
TNW-4	20-4	TTSU-3	16S-1	2SWU-7	24-28
TNW-9	22-22	TTSU-5	18-1	2SWU-12	28-21
TNW-14	22-22	TTSU-10	24-28	2SWU-19	40-62
TNW-23	22-22	TTSU-15	28-21	2SWU-24	40-56
TNW-50	32-17	TTSU-20	36-10	2SWU-30	44-52
TNW-75	36-5	TTSU-30	40-62		
TNW-100	36-5	TTSU-40	40-56	2U-10	24-28
		TTSU-50	44-52	2U-15	28-21
TPNW-1-1/2	10SL-3			2U-19	36-10
TPNW-3	16S-1	1SAU-44	44-52	2U-30	40-56
TPNW-5	18-1			2U-45	44-52
TPNW-10	24-28	1SMU-5	18-1		
TPNW-15	28-21			2WAU-40	40-56
TPNW-20	36-10	1SU-36	40-56		
TPNW-30	40-62			3SF-7	28-21
TPNW-40	40-56	1SWF-2	14S-2		
				3SJ-9	22-22
TPS-3	14S-2	1SWU-2	14S-2	3SJ-12	20-4
TPS-4	20-4	1SWU-14	28-21	3SJ-14	20-4
TPS-6	20-4	1SWU-20	36-10	3SJ-16	14S-2
TPS-9	22-22	1SWU-30	40-62	3SJ-18	14S-2
TPS-14	22-22			3SJ-20	14S-2
TPS-23	22-22	1S50MU-16	28-21	3SJ-22	14S-2
TPS-30	31-17	1S50MU-20	36-10		
		1S50MU-40	40-56	3SU-3	20-27
TPU-6	20-27			3SU-7	28-21
		1S75MU-8	24-28	3SU-10	36-10
TRF-105	20-2			3SU-14	40-62
		2AU-40	40-56	3SU-19	40-56
TRW	20-4			3SU-24	44-52
		2SJ-7	22-22		
TRXF-84	20-2	2SJ-9	22-22	3SWU-3	20-27
		2SJ-11	22-22		

MIL-STD-1683A(SH)

8 November 1982

TABLE II. MIL-C-915 Cable to MIL-C-5015 connector/insert cross-reference. - Continued

CABLE	INSERT	CABLE	INSERT	CABLE	INSERT
3SWU-7	28-21				
3SWU-10	36-10				
3SWU-14	40-62				
3SWU-19	40-56				
3SWU-24	44-52				
3U-3	18-1				
3U-7	24-28				
3U-12	28-21				
4NW-8	22-22				
4SJ-14	22-23				
4SJ-16	16S-1				
4SJ-20	16S-1				
5SS	16S-1				
7PS-6	22-23				
7SGU-3	16S-1				
7SGU-4	22-23				
7SS-2	18-1				
8NW-6	22-23				

TABLE III. MIL-C-5015 Contact information.

WIRE SIZE	STRIP LENGTH	FRONT RELEASE CONTACT		TOOL		CRIMP TOOL		SEALING PLUG MS3187
		SOCKET MIL-C-39029 /45	PIN MIL-C-39029 /44	EXTRACT MS90456	INSERT MS90455	M22520/ 1-01 w/DIE	MS25441 w/ MS3150 DIE	
	Inch							
22, 24, 26	0.250	-16	-22	-16		/1-02	----	-16 -2
16, 18, 20	.250	-16	-16	-16		/1-02	----	-16 -2
16, 18, 20	.250	-12	-16	-12		/1-02	----	-12 -2
12, 14, 16	.250	-12	-12	-12		/1-02	----	-12 -2
8 and 10*	.500	-8	-8	-8		-----	-8	-8 -2
4 and 6*	.500	-4	-4	-4		-----	-4	-4 -2
0 and 2*	.625	-0	-0	-0		-----	-0	-0 -2

8 with no. 10* wire, bushing adapter MS3348-8-10

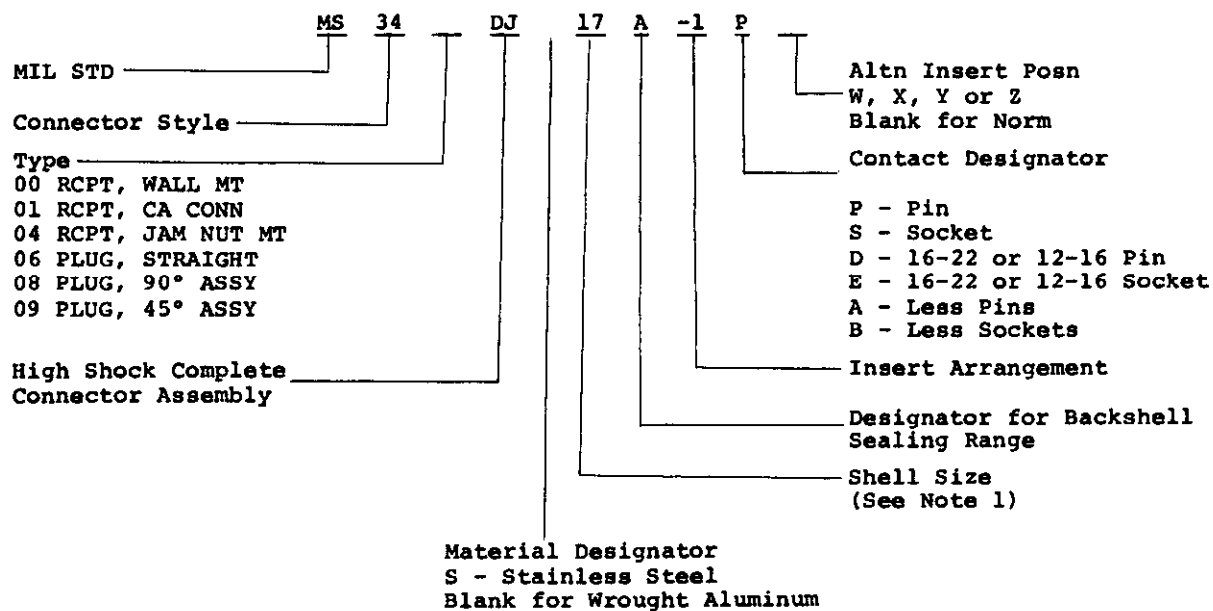
4 with no. 6* wire, bushing adapter MS3348-4-6

0 with no. 2* wire, bushing adapter MS3348-0-2

MIL-STD-1683A(SH)
8 November 1982

4.5 Part numbering system. An example of the part numbering system for MIL-C-5015 connectors is as follows:

An example of the complete MS part number of connectors is shown below. For individual data and ordering information see MIL-C-5015 or the MS sheet, or both, as applicable.



NOTE 1: The marking of the connector sizes, on a package of a DJ type connector, will be designated as follows:

10SL becomes 11
12S becomes 13
14S becomes 15
16S becomes 17

This is for Class D and DJ connectors only, but the connector and it's associated parts will be marked with the MIL-C-5015 part number.

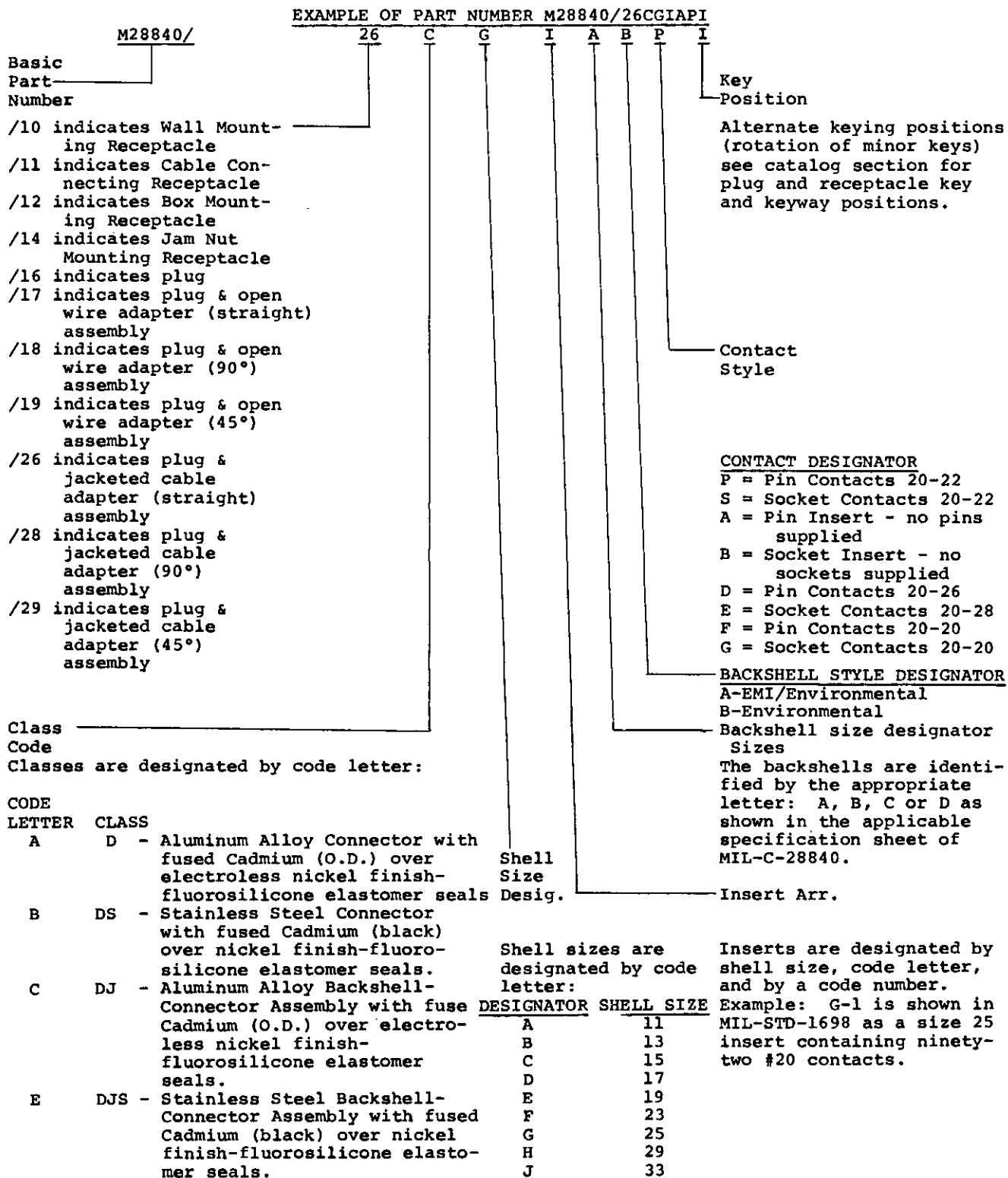
4.5.1 Backshell hardware. For detail information on the backshell hardware, see the applicable MS sheet (MS3188, 3189, or 3437).

MIL-STD-1683A(SH)

8 November 1982

4.6 Part numbering system.

An example of the complete part number of connectors is shown below. For individual data and ordering information see MIL-S-28840.



4.6.1 Backshell hardware. For detail information on the backshell hardware see the applicable specification sheet (MIL-C-28840/6, /8, or /9).

MIL-STD-1683A(SH)
8 November 1982

5. EXPLANATION OF DATA SHEET ORGANIZATION

5.1 The views depicted on these Data Sheets represent the wiring side of a socket (receptacle) and present information regarding quantity and size of contact and insert arrangement.



Insert arrangement	10SL-3
Number of contacts	3
Contact size	16

5.2 Cable types to which the insert is assigned are listed, followed by wiring information.

5.3 The Data Sheets which follow are arranged in numerical order for each section by insert arrangement number, see tables for list of inserts.

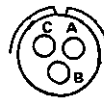
5.4 Where data for a particular insert arrangement runs to more than one page, a suitable notation so indicates.

5.5 Unless otherwise noted, an asterisk (*) in the wiring information denotes an unused contact.

Preparing activity:
Navy - SH
(Project 5935-N161)

MIL-STD-1683A(SH)
8 November 1982

SECTION 100 - GENERAL CONNECTORS



Insert 10SL-3

Contacts

Qty, 3
Size 16

TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C	PART NUMBER ORDERING INFORMATION (see 4.6)
	O.D. (MAX) Inch		DIAMETER (NOM) Inch		
DSS-2	0.390	3	0.048	8	MS340 * DJ11 B 3 P/S ↑ B P/S B P/S A D/E B D/E B P/S A P/S A P/S A D/E MS340 * DJ11 B 3 P/S
TCOP-2	.345	3	.049	3	
TNW-3	.411	3	.060	69	
TPNW-1½	.220	3	.030	72	
TTSU-1½	.330	3	.030	37	
2SJ-16	.265	3	.057	60	
2SJ-18	.246	3	.051	60	
2SJ-20	.220	3	.041	60	
2SJ-22	.203	3	.032	60	
2SWU-1	.255	3	.050	49	

WIRING INFORMATION

INSERT	CABLE TYPE		
10SL-3	TCOP-2	2SJ-16, 18,	DSS-2
	TNW-3	20, 22	2SWU-1
	TPNW-1½		
	TTSU-1½		
A	1 BLK	1 BLK	1 BLK
B	2 WHT	2 WHT	1 WHT
C	3 RED	3 SHLD	SHLD

Information on insert and wiring for 10SL-3.

MIL-STD-1683A(SH)
8 November 1982



Insert 12S-3

Contacts

Qty, 2
Size 16

TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C	PART NUMBER ORDERING INFORMATION (see 4.6)
	<u>O.D. (MAX)</u> Inch		<u>DIAMETER (NOM)</u> Inch		
DCOP-1	0.250	2	0.038	3	MS340 * DJ13 A 3 P/S
DCOP-1½	.315	2	.049	3	E P/S
DCOP-2	.330	2	.049	3	E P/S
DHOF-3	.425	2	.061	6	D P/S
DNW-3	.390	2	.060	68	E P/S
DPS-3	.455	2	.060	40	D P/S
DSGU-3	.391	2	.060	29	D P/S
SHOF-3	.210	1	.061	6	A P/S
TCKX-1	.456	2	.060	38	D A/B
TCTX-1	.350	2	.034	38	MS340 * DJ13 E 3 A/B

WIRING INFORMATION

INSERT	CABLE TYPE		
12S-3	SHOF-3	DCOP-1, 1½, 2	TCKX-1
		DHOF-3	TCTX-1
		DNW-3	
		DPS-3	
		DSGU-3	
A	BLK	1 BLK	1 RED
B	*	2 WHT	2 WHT

Information on insert and wiring for 12S-3

MIL-STD-1683A (SH)
8 November 1982



Insert 14S-2

Contacts

Qty, 4
Size 16

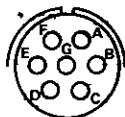
TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
	<u>O.D. (MAX)</u> INCH		<u>DIAMETER (NOM)</u> INCH		
DLT	0.710	4	0.049	5	MS340 * DJ15 B 2 P/S
DSS-3	.500	3	.060	8	D P/S
FHOF-3	.480	4	.061	6	D P/S
FNW-3	.447	4	.060	70	D P/S
FSGU-3	.447	4	.060	31	D P/S
MCOS-2	.460	3	.049	11	D P/S
S2S	.500	3	.050	61	D P/S
THOF-3	.450	3	.061	6	D P/S
TPS-3	.475	3	.060	40	D P/S
TSGU-3	.411	3	.060	30	D P/S
TSS-2	.400	4	.048	8	A P/S
TSS-3	.500	4	.060	8	D P/S
1SWF-2	.625	4	.033	47	B D/E
1SWU-2	.455	4	.031	44	D D/E
3SJ-16	.285	4	.057	60	E P/S
3SJ-18	.264	4	.051	60	E P/S
3SJ-20	.234	4	.041	60	E P/S
3SJ-22	.217	4	.032	60	MS340 * DJ15 E 2 D/E

WIRING INFORMATION

INSERT	CABLE TYPE					
14S-2	THOF-3	DSS-3	S2S	DLT	TSS-2,3	1SWF-2
	TPS-3	MCOS-2		FHOF-3	3SJ-16,18	1SWU-2
	TSGU-3			FNW-3	20,22	
				FSGU-3		
A	1 BLK	1 BLK	BLK	1 BLK	1 BLK	1 BLK
B	2 WHT	1 WHT	SHLD	2 WHT	2 WHT	SHLD
			(Inner)			
C	3 RED	SHLD	SHLD	3 RED	3 RED	2 WHT
			(Outer)			
D	*	*	*	4 GRN	SHLD	SHLD

Information on insert and wiring for 14S-2

MIL-STD-1683A(SH)
8 November 1982



Insert 16S-1

Contacts

Qty, 7
Size 16

CABLE TYPE	O.D. (MAX) INCH	CONDUCTORS/SHIELD QTY	DIAMETER (NOM) INCH	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
FSS-2	0.500	5	0.048	8	MS340 * DJ17 E 1 P/S
FSS-3	.500	5	.060	8	E P/S
MCOS-4	.510	5	.049	11	E P/S
MCOS-5	.390	6	.042	11	D P/S
MHOF-7	.500	7	.057	14	E P/S
MMOP-5	.305	5	.028	15	D D/E
MNW-7	.390	7	.048	71	D P/S
MSCU-7	.484	7	.048	32	E P/S
MWF-7	.500	7	.050	58	E P/S
TCJX-3	.742	6	.060	38	B A/B
TCKX-3	.742	6	.060	38	B A/B
TCTX-3	.552	6	.034	38	E A/B
TPNW-3	.290	6	.030	72	D D/E
TTOP-3	.480	6	.038	24	E P/S
TTRS-2	.680	6	.038	25	A P/S
TTSU-3	.450	6	.030	37	E D/E
4SJ-16	.325	5	.057	60	D P/S
4SJ-20	.280	5	.041	60	D P/S
5SS	.560	7	.050	74	A P/S
7SGU-3	.545	7	.060	34	MS340 * DJ17 A 1 P/S

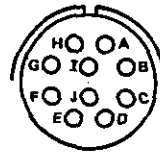
WIRING INFORMATION

INSERT	CABLE TYPE							
16S-1	MMOP-5	FSS-2,3 MCOS-4 4SJ-16,20	MCOS-5	5SS	TCJX-3 TCKX-3 TCTX-3	TPNW-3 TTOP-3 TTSU-3	TTRS-2	MHOF-7 MNW-7 MSCU-7 MWF-7 7SGU-3
G	1 BLK	1 BLK	1 BLK	1 BLK	1 RED	1 BLK	1 BLK	1 BLK
A	2 WHT	2 WHT	1 WHT	2 WHT	1 WHT	1 WHT	1 WHT	2 WHT
B	3 RED	3 RED	SHLD	3 WHT	2 RED	2 BLK	SHLD	3 RED
C	4 GRN	4 GRN	2 RED	SHLD	2 BLK	2 RED	2 BLK	4 GRN
D	5 ORN	SHLD	3 GRN	4 GRN	3 RED	3 BLK	2 WHT	5 ORN
E	*	*	4 BLU	5 RED	3 GRN	3 GRN	SHLD	6 BLU
F	*	*	*	*	*	*	*	7 WHT/ BLK

Information on insert and wiring for 16S-1

MIL-STD-1683A(SH)

8 November 1982



Insert 18-1

Contacts

Qty, 10

Size 16

CABLE TYPE	O.D. (MAX) INCH	CONDUCTORS/SHIELD QTY	DIAMETER (NOM) INCH	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
MCOS-6	0.480	8	0.038	11	MS340 * DJ18 A 1 P/S
MCOS-7	.595	8	.049	11	A P/S
MHOF-10	.585	10	.057	14	A P/S
MNW-10	.480	10	.048	71	A P/S
MSCU-10	.622	10	.048	32	B P/S
MWF-10	.635	10	.050	58	B P/S
PBTMU-5	.540	10	.030	17	A A/B
PI-3	.685	9	.048	39	B P/S
TPNW-5	.340	10	.030	72	F D/E
TTOP-5	.590	10	.038	24	A P/S
TTSU-5	.540	10	.030	37	A D/E
1SMU-5	.500	10	.033	56	A D/E
2SU-3	.520	9	.033	45	A D/E
2SWAU-3	.520	9	.033	46	A D/E
2SWF-3	.625	9	.033	48	B D/E
2SWU-3	.710	9	.050	49	B P/S
3U-3	.625	9	.030	53	B D/E
7SS-2	.625	8	.048	8	MS340 * DJ18 B 1 P/S

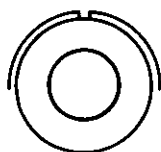
WIRING INFORMATION

INSERT	CABLE TYPE						
18-1	PI-3	3U-3	MHOF-10	PBTMU-5	1SMU-5	MCOS-6	MCOS-7
	2SU-3		MNW-10	TPNW-5			7SS-2
	2SWAU-3		MSCU-10	TTOP-5			
	2SWF-3		MWF-10	TTSU-5			
	2SWU-3						
J	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
I	1 WHT	1 WHT	2 WHT	1 WHT	SHLD	1 WHT	2 WHT
A	SHLD	1 RED	3 RED	2 BLK	2 WHT	SHLD	3 RED
B	2 BLK	2 BLK	4 GRN	2 RED	SHLD	2 BLU	4 GRN
C	2 WHT	2 WHT	5 ORN	3 BLK	3 RED	2 RED	5 ORN
D	SHLD	2 RED	6 BLU	3 GRN	SHLD	SHLD	6 BLU
E	3 BLK	3 BLK	7 WHT/BLK	4 BLK	4 GRN	3 YEL	7 BRN
F	3 WHT	3 WHT	8 RED/BLK	4 ORN	SHLD	4 GRN	SHLD
G	SHLD	3 RED	9 GRN/BLK	5 BLK	5 ORN	*	*
H	*	*	10 ORN/BLK	5 BLU	SHLD	*	*

Information on insert and wiring for 18-1

MIL-STD-1683A(SH)

8 November 1982



Insert 18-6

Contacts

Qty, 1

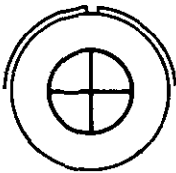
Size 4

TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
	O.D. (MAX) INCH		DIAMETER (NOM) INCH		
SHOF-23	0.460	1	0.190 **	6	MS340 * DJ18 A 6 P/S
SSGU-50	.520	1	.254	28	MS340 * DJ18 A 6 P/S

**Contact Bushing; MS3348-4-6 Required

Information for insert 18-6

MIL-STD-1683A(SH)
8 November 1982



Insert
Contact
Qty, 1
Size 0

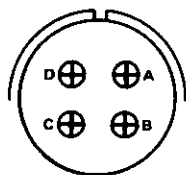
TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C -915/	PART NUMBER OR INFORMATION (see 4)
	O.D. (MAX) INCH		DIAMETER (NOM) INCH		
SHOF-60	0.600	1	0.310**	6	MS340 * DJ20 B
SSGU-75	.602	1	.317**	28	↑ B
SSGU-100	.669	1	.363	28	B
TRF-105	.760	1	.410	20	↓ G
TRXF-84	.600	1	.410	21	MS340 * DJ20 B

**Contact Bushing; MS3348-0-2 Required

Information for insert 20-2

MIL-STD-1683A(SH)

8 November 1982



Insert 20-4

Contacts

Qty, 4
Size 12

TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
	O.D. (MAX) INCH		DIAMETER (NOM) INCH		
DHOF-4	0.460	2	0.077	6	MS340 * DJ20 A 4 P/S
DHOF-6	.510	2	.097	6	A
DNW-4	.430	2	.076	68	F
DPS-4	.489	2	.076	40	A
DPS-6	.585	2	.092	40	A
DRW	.670	2	.076	73	B
DSGU-4	.427	2	.076	29	F
DSS-4	.500	3	.076	8	A
DSWS-4	.800	3	.076	7	G
FHOF-4	.550	4	.077	6	A
FNW-4	.513	4	.076	70	A
FSGU-4	.513	4	.076	31	A
SRW	.400	1	.076	73	F P/S
TCJU-4	.430	2	.076	35	A A/B
TCTU-4	.430	2	.076	35	A A/B
THOF-4	.480	3	.077	6	A P/S
THOF-6	.550	3	.097	6	A
TNW-4	.449	3	.076	69	A
TPS-4	.553	3	.076	40	A
TPS-6	.620	3	.092	40	B
TRW	.710	3	.076	73	B
TSGU-4	.449	3	.076	30	A
TSS-4	.500	4	.076	8	A
2SJ-12	.400	3	.092	60	F
2SJ-14	.302	3	.072	60	F
3SJ-12	.440	4	.092	60	A
3SJ-14	.325	4	.072	60	MS340 * DJ20 F 4 P/S

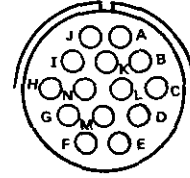
WIRING INFORMATION

INSERT	CABLE TYPE							
20-4	SRW	DHOF-4,6 DNW-4 DPS-4,6 DRW DSGU-4	TCJU-4	TCTU-4	THOF-4,6 TNW-4 TPS-4,6 TRW TSGU-4	DSS-4 DSWS-4 2SJ-12, 14	TSS-4 3SJ-12, 14	FHOF-4 FNW-4 FSGU-4
A	BLK	1 BLK	3 RED	3 RED	1 BLK	1 BLK	1 BLK	1 BLK
B	*	*	*	*	2 WHT	2 WHT	2 WHT	2 WHT
C	*	2 WHT	8 GRY	6 BLU	3 RED	SHLD	3 RED	3 RED
D	*	*	*	*	*	SHLD	4 GRN	4 GRN

Information on insert and wiring for 20-4

MIL-STD-1683A(SH)

8 November 1982



Insert 20

Contacts

Qty, 14
Size 16

CABLE TYPE	C.D. (MAX) INCH	CONDUCTORS/SHIELD QTY	DIAMETER (NOM) INCH	MIL-C -915/	PART NUMBER ORDER INFORMATION (see 4)
MHOF-14	0.635	14	0.057	14	MS340 * DJ20 B 2
MNW-14	.515	14	.048	71	A
MSCU-14	.668	14	.048	32	B
MU-14	.400	14	.039	43	F
MWF-14	.635	14	.050	58	B
TCJX-7	.983	14	.060	38	E
TCKX-7	.983	14	.060	38	E
TCTX-7	.731	14	.034	38	B
TPU-6	1.000	12	.051	19	E
TTRS-4	.740	12	.038	25	B
2SWF-4	.625	12	.033	48	B
3SU-3	.700	12	.050	51	B
3SWU-3	.700	12	.050	52	MS340 * DJ20 B 2

WIRING INFORMATION

INSERT	CABLE TYPE				
20-27	TPU-6	3SU-3	TTRS-4	MHOF-14	TCJX-7
		3SWU-3	2SWF-4	MNW-14	TCKX-7
				MSCU-14	TCTX-7
				MU-14	
				MWF-14	
L	1 BLK	1 BLK	1 BLK	1 BLK	1 RED
M	1 WHT	1 WHT	1 WHT	2 WHT	1 WHT
N	2 BLK	1 RED	SHLD	3 RED	2 RED
K	2 RED	SHLD	2 BLK	4 GRN	2 BLK
B	3 BLK	2 BLK	2 WHT	5 ORN	3 RED
C	3 GRN	2 WHT	SHLD	6 BLU	3 GRN
D	4 BLK	2 RED	3 BLK	7 WHT/BLK	4 RED
E	4 ORN	SHLD	3 WHT	8 RED/BLK	4 ORN
F	5 BLK	3 BLK	SHLD	9 GRN/BLK	5 RED
G	5 BLU	3 WHT	4 BLK	10 ORN/BLK	5 BLU
H	6 BLK	3 RED	4 WHT	11 BLU/BLK	6 RED
I	6 BRN	SHLD	SHLD	12 BLK/WHT	6 WHT/BLK
J	*	*	*	13 RED/BLK	7 RED
A	*	*	*	14 GRN/BLK	7 WHT/GRN

Information on insert and wiring for 20-27

MIL-STD-1683A(SH)

8 November 1982

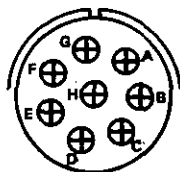
WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>				
22-22	DHOF-9,14 DNW-9,14,23 DPS-9,14 DSGU-9,14,23	THOF-9,14 TNW-9,14,23 TPS-9,14,23 TSGU-9,14,23	2SJ-7,9,11	FHOF-9 FNW-9,23 FPS-14 FSGU-9,23 4NW-8	3SJ-9
A	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
B	*	2 WHT	2 WHT	2 WHT	2 WHT
C	2 WHT	3 RED	SHLD	3 RED	3 RED
D	*	*	*	4 GRN	SHLD

Wiring information for insert 22-22 (2)

MIL-STD-1683A (SH)

8 November 1982



Insert 22-23

Contacts

Qty, 8
Size 12

TYPE	CABLE	QTY	CONDUCTORS/SHIELD	MIL-C	PART NUMBER ORDERING INFORMATION (see 4.6)
	O.D. (MAX) INCH		DIAMETER (NOM) INCH		
FSS-4	0.625	5	0.076	8	MS340 * DJ22 B 23 P/S
4SJ-14	.370	5	.072	60	↑ G ↑ P/S
7PS-6	.775	7	.092	40	D ↓ P/S
7SGU-4	.595	7	.076	34	A ↓ P/S
8NW-6	.670	8	.092	75	MS340 * DJ22 B 23 P/S

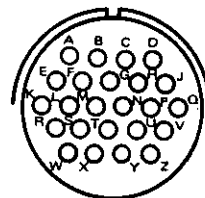
WIRING INFORMATION

INSERT	CABLE TYPE		
22-23	FSS-4 4SJ-14	7PS-6 7SGU-4	8NW-6
H	1 BLK	1 BLK	1 BLK
A	2 WHT	2 WHT	2 WHT
B	3 RED	3 RED	3 RED
C	4 GRN	4 GRN	4 GRN
D	SHLD	5 ORN	5 ORN
E	*	6 BLU	6 BLU
F	*	7 WHT/BLK	7 WHT/BLK
G	*	*	8 RED/BLK

Information on insert and wiring for 22-23

MIL-STD-1683A(SH)

8 November 1982



Insert 24-28

Contacts

Qty, 24

Size 16

CABLE TYPE	O.D. (MAX) INCH	CONDUCTORS/SHIELD QTY	DIAMETER (NOM) INCH	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)		
					MS340 * DJ24	A 28	P/S
MHOF-19	0.705	19	0.057	14	↑	D	P/S
MHOF-24	.795	24	.057	14		A	P/S
MNW-19	.560	19	.048	71		A	P/S
MNW-24	.650	24	.048	71		B	P/S
MSCU-19	.738	19	.048	32		D	P/S
MSCU-24	.855	24	.048	32		A	P/S
MWF-19	.745	19	.050	58		D	P/S
MWF-24	.836	24	.050	58		A	P/S
PI-7	.900	21	.048	39		D	P/S
TCTX-12	.964	24	.034	38		G	A/B
TPNW-10	.450	20	.030	72		F	D/E
TSP-11	.735	22	.030	22		A	D/E
TTOP-10	.700	20	.038	24		A	P/S
TTRS-6	.880	18	.038	25		D	P/S
TTRS-8	.990	24	.038	25		G	P/S
TTSU-10	.675	20	.030	37		A	D/E
1S75MU-8	1.030	16	.033	55		G	D/E
2SU-7	.660	21	.033	45		A	D/E
2SAU-7	.660	21	.033	46		A	D/E
2SWF-7	.815	21	.033	48		D	D/E
2SWL-7	.910	21	.060	77		D	P/S
2SWU-7	.910	21	.050	49		D	P/S
2U-10	.480	21	.020	63		F	D/E
3U-7	.810	21	.050	53		D	P/S

WIRING INFORMATION ON PAGE 24-28 (2)

Information for insert 24-28 (1)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

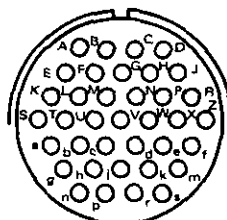
INSERT CABLE TYPE

24-28	1S75MU-8	TPNW-10 TTSU-10 TTOP-10 2U-10	TTRS-6 TTRS-8	PI-7 2SU-7 2SWU-7 2SWF-7 2SWAU-7 2SWL-7	3U-7	TSP-11	MWF-19,24 MSCU-19,24 MNW-19,24 MHOF-19,24	TCTX-12
M	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 RED
N	SHLD	1 WHT	1 WHT	1 WHT	1 WHT	1 WHT	2 WHT	1 WHT
T	2 WHT	2 BLK	SHLD	SHLD	1 RED	2 BLK	3 RED	2 RED
S	SHLD	2 RED	2 BLK	2 BLK	2 BLK	2 RED	4 GRN	2 BLK
L	3 RED	3 BLK	2 WHT	2 WHT	2 WHT	3 BLK	5 ORN	3 RED
F	SHLD	3 GRN	SHLD	SHLD	2 RED	3 GRN	6 BLU	3 GRN
G	4 GRN	4 BLK	3 BLK	3 BLK	3 BLK	4 BLK	7 WHT/BLK	4 RED
H	SHLD	4 ORN	3 WHT	3 WHT	3 WHT	4 ORN	8 RED/BLK	4 ORN
P	5 ORN	5 BLK	SHLD	SHLD	3 RED	5 BLK	9 GRN/BLK	5 RED
U	SHLD	5 BLU	4 BLK	4 BLK	4 BLK	5 BLU	10 ORN/BLK	5 BLU
Y	6 BLU	6 BLK	4 WHT	4 WHT	4 WHT	6 BLK	11 BLU/BLK	6 RED
X	SHLD	6 BRN	SHLD	SHLD	4 RED	6 BRN	12 BLK/WHT	6 WHT/BLK
W	7 WHT/BLK	7 BLK	5 BLK	5 BLK	5 BLK	7 BLK	13 RED/WHT	7 RED
R	SHLD	7 GRA	5 WHT	5 WHT	5 WHT	7 GRA	14 GRN/WHT	7 WHT/GRN
K	8 RED/BLK	8 BLK	SHLD	SHLD	5 RED	8 BLK	15 BLU/WHT	8 RED
E	SHLD	8 YEL	6 BLK	6 BLK	6 BLK	8 YEL	16 BLK/RED	8 WHT/ORN
A	*	9 BLK	6 WHT	6 WHT	6 WHT	9 BLK	17 WHT/RED	9 RED
B	*	9 PUR	SHLD	SHLD	6 RED	9 PUR	18 ORN/RED	9 WHT/BLU
C	*	10 BLK	7 BLK	7 BLK	7 BLK	10 BLK	19 BLU/RED	10 RED
D	*	10 TAN	7 WHT	7 WHT	7 WHT	10 TAN	20 RED/GRN	10 WHT/RED
J	*	**SHLD	SHLD	SHLD	7 RED	11 BLK	21 ORN/GRN	11 RED
Q	*	*	8 BLK	*	*	11 PNK	22 BLK/WHT/RED	11 BLK/WHT
V	*	*	8 WHT	*	*	*	23 WHT/BLK/RED	12 RED
Z	*	*	SHLD	*	*	*	24 RED/BLK/WHT	12 GRN/WHT

** (SHLD for 2U-10 Only)

Wiring information for insert 24-28 (2)

MIL-STD-1683A (SH)
8 November 1982



Insert 28-21

Contacts

Qty, 37
Size 16

CABLE TYPE	O.D. (MAX) INCH	CONDUCTORS/SHIELD QTY.	DIAMETER (NOM) INCH	MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
MHOF-30	0.835	30	0.057	14	MS340 * DJ28 B 21 P/S
MHOF-37	.925	37	.057	14	B P/S
MNW-30	.685	30	.048	71	A P/S
MNW-37	.740	37	.048	71	A P/S
MSCU-30	.901	30	.048	32	D P/S
MSCU-37	.972	37	.048	32	D P/S
MWF-30	.945	30	.050	58	D P/S
MWF-37	1.045	37	.050	58	D P/S
PBTMU-15	.750	30	.030	17	B A/B
PI-12	1.155	36	.048	39	D P/S
TCJX-12	1.269	24	.060	38	E A/B
TCKX-12	1.269	24	.060	38	E A/B
TPNW-15	.510	30	.030	72	A D/E
TTOP-15	.830	30	.038	24	B P/S
TTRS-10	1.080	30	.038	25	D P/S
TTRS-12	1.100	36	.038	25	D P/S
TTSU-15	.750	30	.030	37	B D/E
1SWU-14	.870	28	.033	44	B D/E
1S50MU-16	.825	32	.033	42	B D/E
2SU-10	.830	30	.033	45	B D/E
2SWAU-10	.830	30	.033	46	B D/E
2SWU-12	1.200	36	.050	49	D P/S
2U-15	.560	31	.020	63	A D/E
3SF-7	1.040	28	.050	62	D P/S
3SU-7	.910	28	.050	51	B P/S
3SWU-7	.910	28	.050	52	B P/S
3U-12	1.090	36	.050	53	MS340 * DJ28 D 21 P/S

WIRING INFORMATION ON PAGES 28-21 (2) and 28-21 (3)

Information for insert 28-21 (1)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION

INSERT	CABLE TYPE				
28-21	TCJX-12	3SF-7	1SWU-14	MHOF-30	TTRS-10
	TCKX-12	3SU-7		MNW-30	2SWAU-10
		3SWU-7		MSCU-30	2SU-10
				MWF-30	
V	1 RED	1 BLK	1 BLK	1 BLK	1 BLK
W	1 WHT	1 WHT	SHLD	2 WHT	1 WHT
d	2 RED	1 RED	2 WHT	3 RED	SHLD
c	2 BLK	SHLD	SHLD	4 GRN	2 BLK
U	3 RED	2 BLK	3 RED	5 ORN	2 WHT
M	3 GRN	2 WHT	SHLD	6 BLU	SHLD
N	4 RED	2 RED	4 GRN	7 WHT/BLK	3 BLK
P	4 ORN	SHLD	SHLD	8 RED/BLK	3 WHT
X	5 RED	3 BLK	5 ORN	9 GRN/BLK	SHLD
e	5 BLU	3 WHT	SHLD	10 ORN/BLK	4 BLK
k	6 RED	3 RED	6 BLU	11 BLU/BLK	4 WHT
j	6 WHT/BLK	SHLD	SHLD	12 BLK/WHT	SHLD
h	7 RED	4 BLK	7 WHT/BLK	13 RED/WHT	5 BLK
b	7 WHT/GRN	4 WHT	SHLD	14 GRN/WHT	5 WHT
T	8 RED	4 RED	8 RED/BLK	15 BLU/WHT	SHLD
L	8 WHT/ORN	SHLD	SHLD	16 BLK/RED	6 BLK
F	9 RED	5 BLK	9 GRN/BLK	17 WHT/RED	6 WHT
G	9 WHT/BLU	5 WHT	SHLD	18 ORN/RED	SHLD
H	10 RED	5 RED	10 ORN/BLK	19 BLU/RED	7 BLK
J	10 WHT/RED	SHLD	SHLD	20 RED/GRN	7 WHT
R	11 RED	6 BLK	11 BLU/BLK	21 ORN/GRN	SHLD
Z	11 BLK/WHT	6 WHT	SHLD	22 BLK/WHT/RED	8 BLK
f	12 RED	6 RED	12 BLK/WHT	23 WHT/BLK/RED	8 WHT
m	12 GRN/WHT	SHLD	SHLD	24 RED/BLK/WHT	SHLD
s	*	7 BLK	13 RED/WHT	25 GRN/BLK/WHT	9 BLK
r	*	7 WHT	SHLD	26 ORN/BLK/WHT	9 WHT
p	*	7 RED	14 GRN/WHT	27 BLU/BLK/WHT	SHLD
n	*	SHLD	SHLD	28 BLK/RED/GRN	10 BLK
g	*	*	*	29 WHT/RED/GRN	10 WHT
a	*	*	*	30 RED/BLK/GRN	SHLD
S	*	*	*	*	*
K	*	*	*	*	*
E	*	*	*	*	*
A	*	*	*	*	*
B	*	*	*	*	*
C	*	*	*	*	*
D	*	*	*	*	*

Wiring information for insert 28-21 (2)

MIL-STD-1683A (SH)
8 November 1982

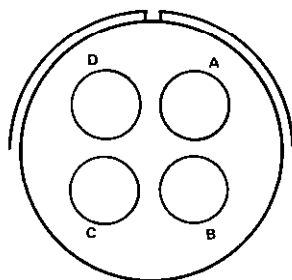
WIRING INFORMATION (Continued)

INSERT	CABLE TYPE				
28-21	PBTMU-15 2U-15 TPNW-15 TTP-15 TTSU-15	1S50MU-16	PI-12 2SWU-12 TTRS-12	3U-12	MWF-37 MHOF-37 MNW-37 MSCU-37
V	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
W	1 WHT	SHLD	1 WHT	1 WHT	2 WHT
d	2 BLK	2 WHT	SHLD	1 RED	3 RED
c	2 RED	SHLD	2 BLK	2 BLK	4 GRN
U	3 BLK	3 RED	2 WHT	2 WHT	5 ORN
M	3 GRN	SHLD	SHLD	2 RED	6 BLU
N	4 BLK	4 GRN	3 BLK	3 BLK	7 WHT/BLK
P	4 ORN	SHLD	3 WHT	3 WHT	8 RED/BLK
X	5 BLK	5 ORN	SHLD	3 RED	9 GRN/BLK
e	5 BLU	SHLD	4 BLK	4 BLK	10 ORN/BLK
k	6 BLK	6 BLU	4 WHT	4 WHT	11 BLU/BLK
j	6 BRN	SHLD	SHLD	4 RED	12 BLK/WHT
h	7 BLK	7 WHT/BLK	5 BLK	5 BLK	13 RED/WHT
b	7 GRA	SHLD	5 WHT	5 WHT	14 GRN/WHT
T	8 BLK	8 RED/BLK	SHLD	5 RED	15 BLU/WHT
L	8 YEL	SHLD	6 BLK	6 BLK	16 BLK/RED
F	9 BLK	9 GRN/BLK	6 WHT	6 WHT	17 WHT/RED
G	9 PUR	SHLD	SHLD	6 RED	18 ORN/RED
H	10 BLK	10 ORN/BLK	7 BLK	7 BLK	19 BLU/RED
J	10 TAN	SHLD	7 WHT	7 WHT	20 RED/GRN
R	11 BLK	11 BLU/BLK	SHLD	7 RED	21 ORN/GRN
Z	11 PNK	SHLD	8 BLK	8 BLK	22 BLK/WHT/RED
f	12 WHT	12 BLK/WHT	8 WHT	8 WHT	23 WHT/BLK/RED
m	12 RED	SHLD	SHLD	8 RED	24 RED/BLK/WHT
s	13 WHT	13 RED/WHT	9 BLK	9 BLK	25 GRN/BLK/WHT
r	13 GRN	SHLD	9 WHT	9 WHT	26 ORN/BLK/WHT
p	14 WHT	14 GRN/WHT	SHLD	9 RED	27 BLU/BLK/WHT
n	14 ORN	SHLD	10 BLK	10 BLK	28 BLK/RED/GRN
g	15 WHT	15 BLU/WHT	10 WHT	10 WHT	29 WHT/RED/GRN
a	15 BLU	SHLD	SHLD	10 RED	30 RED/BLK/GRN
S	** SHLD	16 BLK/RED	11 BLK	11 BLK	31 GRN/BLK/ORN
K	*	SHLD	11 WHT	11 WHT	32 ORN/BLK/GRN
E	*	*	SHLD	11 RED	33 BLU/WHT/ORN
A	*	*	12 BLK	12 BLK	34 BLK/WHT/ORN
B	*	*	12 WHT	12 WHT	35 WHT/RED/ORN
C	*	*	SHLD	12 RED	36 ORN/WHT/BLU
D	*	*	*	*	37 WHT/RED/BLU

** (SHLD for 2U-15 Only)

Wiring information for insert 28-21 (3)

MIL-STD-1683A(SH)
8 November 1982



Insert 32-17

Contacts

Qty, 4
Size 4

TYPE	CABLE	CONDUCTORS/SHIELD QTY.	DIAMETER (NOM) INCH	MIL-C -915/
	O.D. (MAX) INCH			
DHOF-23	0.860	2	0.190**	6
DHOF-30	.960	2	.220**	6
DNW-50	.910	2	.254	68
DSGU-50	.911	2	.254	29
FHOF-42	1.380	4	.260	6
FSGU-50	1.050	4	.254	31
THOF-23	.900	3	.190**	6
THOF-42	1.250	3	.260	6
TNW-50	.969	3	.254	69
TPS-30	.976	3	.202**	40
TSGU-50	.969	3	.254	30

PART NUMBER ORDERING
INFORMATION (see 4.6)

MS340 *	DJ32 A	17 P/S
↑	B	↑
	A	
	A	
	E	
	B	
	A	
	D	
	B	
↓	B	↓
MS340 *	DJ32 B	17 P/S

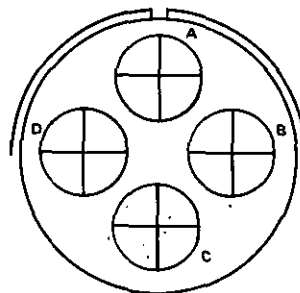
**Contact Bushing: MS3348-4-6 Required

WIRING INFORMATION

INSERT	CABLE TYPE		
32-17	DHOF-23,30	THOF-23,42	FHOF-42
	DNW-50	TNW-50	FSGU-50
	DSGU-50	TPS-30	
		TSGU-50	
A	1 BLK	1 BLK	1 BLK
B	*	2 WHT	2 WHT
C	2 WHT	3 RED	3 RED
D	*	*	4 GRN

Information on insert and wiring for 32-17

MIL-STD-1683A (SH)
8 November 1982



Insert 36-5

Contacts

Qty, 4
Size 0

TYPE	CABLE	CONDUCTORS/SHIELD	MIL-C
	O.D. (MAX) INCH	QTY. DIAMETER (NOM) INCH	-915/
DHOF-83	1.450	2 0.380	6
DNW-75	1.080	2 .317**	68
DNW-100	1.170	2 .363	68
DSGU-75	1.064	2 .317**	29
DSGU-100	1.167	2 .363	29
FHOF-60	1.510	4 .310**	6
FSGU-75	1.240	4 .317**	31
FSGU-100	1.358	4 .363	31
TNW-75	1.134	3 .317**	69
TNW-100	1.266	3 .363	69
TSGU-75	1.134	3 .317**	30
TSGU-100	1.266	3 .363	30

PART NUMBER ORDERING
INFORMATION (see 4.6)

MS340 *	DJ36	D	5	P/S
		A		
		A		
		A		
		D		
		B		
		D		
		A		
		B		
		A		
MS340 *	DJ36	B	5	P/S

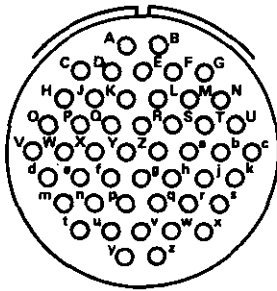
** Contact Bushing MS 3348-0-2 Required

WIRING INFORMATION

INSERT	CABLE TYPE		
36-5	DHOF-83	FHOF-60	TNW-75, 100
	DNW-75, 100	FSGU-75, 100	TSGU-75, 100
	DSGU-75, 100		
A	1 BLK	1 BLK	1 BLK
B	*	2 WHT	2 WHT
C	2 WHT	3 RED	3 RED
D	*	4 GRN	*

Information on insert and wiring for 36-5

MIL-STD-1683A (SH)
8 November 1982



Insert 36-10

Contacts

Qty, 48
Size 16

TYPE	CABLE	CONDUCTORS/SHIELD QTY.	DIAMETER (NOM) INCH	MIL-C -915/
	O.D. (MAX) INCH			
MHOF-44	1.000	44	0.057	14
MNW-44	0.840	44	.048	71
MS-37	.800	38	.063	50
MSCU-44	1.084	44	.048	32
TPNW-20	.560	40	.030	72
TTRS-16	.190	48	.038	25
TTSU-20	.830	40	.030	37
1SWU-20	1.030	40	.033	44
1S50MU-20	.905	40	.033	42
2SU-14	.930	42	.033	45
2SWAU-14	.930	42	.033	46
2U-19	.580	39	.020	63
3SU-10	1.190	40	.050	51
3SWU-10	1.190	40	.050	52

PART NUMBER ORDERING
INFORMATION (see 4.6)

MS340 * DJ36 A 10 P/S
 ↑
 G
 G
 A P/S
 F D/E
 A P/S
 G D/E
 A D/E
 G D/E
 G D/E
 G D/E
 F D/E
 A P/S
 ↓
 MS340 * DJ36 A 10 P/S

WIRING INFORMATION ON PAGES 36-10 (2) and 36-10 (3)

Information for insert 36-10 (1)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

INSERT	CABLE TYPE		
36-10	1S50MU-20 1SWU-20	2SU-14 2SWAU-14	MHOF-44 MNV-44 MSCU-44
Z	1 BLK	1 BLK	1 BLK
g	SHLD	1 WHT	2 WHT
Y	2 WHT	SHLD	3 RED
R	SHLD	2 BLK	4 GRN
S	3 RED	2 WHT	5 ORN
a	SHLD	SHLD	6 BLU
h	4 GRN	3 BLK	7 WHT/BLK
q	SHLD	3 WHT	8 RED/BLK
p	5 ORN	SHLD	9 GRN/BLK
f	SHLD	4 BLK	10 ORN/BLK
X	6 BLU	4 WHT	11 BLU/BLK
Q	SHLD	SHLD	12 BLK/WHT
K	7 WHT/BLK	5 BLK	13 RED/WHT
L	SHLD	5 WHT	14 GRN/WHT
M	8 RED/BLK	SHLD	15 BLU/WHT
T	SHLD	6 BLK	16 BLK/RED
b	9 GRN/BLK	6 WHT	17 WHT/RED
j	SHLD	SHLD	18 ORN/RED
r	10 ORN/BLK	7 BLK	19 BLU/RED
w	SHLD	7 WHT	20 RED/GRN
v	11 BLU/BLK	SHLD	21 ORN/GRN
u	SHLD	8 BLK	22 BLK/WHT/RED
n	12 BLK/WHT	8 WHT	23 WHT/BLK/RED
e	SHLD	SHLD	24 RED/BLK/WHT
W	13 RED/WHT	9 BLK	25 GRN/BLK/WHT
P	SHLD	9 WHT	26 ORN/BLK/WHT
J	14 GRN/WHT	SHLD	27 BLU/BLK/WHT
D	SHLD	10 BLK	28 BLK/RED/GRN
E	15 BLU/WHT	10 WHT	29 WHT/RED/GRN
F	SHLD	SHLD	30 RED/BLK/GRN
G	16 BLK/RED	11 BLK	31 GRN/BLK/ORN
N	SHLD	11 WHT	32 ORN/BLK/GRN
U	17 WHT/RED	SHLD	33 BLU/WHT/ORN
c	SHLD	12 BLK	34 BLK/WHT/ORN
k	18 ORN/RED	12 WHT	35 WHT/RED/ORN
s	SHLD	SHLD	36 ORN/WHT/BLUE
x	19 BLU/RED	13 BLK	37 WHT/RED/BLU
z	SHLD	13 WHT	38 BRN
y	20 RED/GRN	SHLD	39 BRN/BLK
t	SHLD	14 BLK	40 BRN/WHT
m	*	14 WHT	41 BRN/RED
d	*	SHLD	42 BRN/GRN
V	*	*	43 BRN/ORN
O	*	*	44 BRN/BLU
H	*	*	*
C	*	*	*
A	*	*	*
B	*	*	*

Wiring information for insert 36-10 (2)

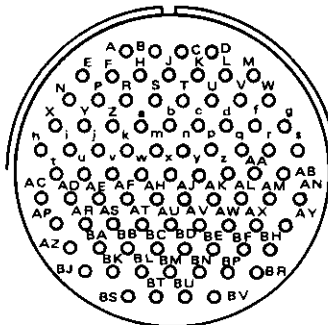
MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>			
36-10	MS-37	2U-19	3SU-10 3SWU-10	TPNW-20 TTSU-20
Z	1 BLK	1 BLK	1 BLK	1 BLK
g	2 WHT	1 WHT	1 WHT	1 WHT
Y	3 RED	2 BLK	1 RED	2 BLK
R	4 GRN	2 RED	SHLD	2 RED
S	5 ORN	3 BLK	2 BLK	3 BLK
a	6 BLU	3 GRN	2 WHT	3 GRN
h	7 WHT/BLK	4 BLK	2 RED	4 BLK
q	8 RED/BLK	4 ORN	SHLD	4 ORN
p	9 GRN/BLK	5 BLK	3 BLK	5 BLK
f	10 ORN/BLK	5 BLU	3 WHT	5 BLU
X	11 BLU/BLK	6 BLK	3 RED	6 BLK
Q	12 BLK/WHT	6 BRN	SHLD	6 BRN
K	13 RED/WHT	7 BLK	4 BLK	7 BLK
L	14 GRN/WHT	7 GRA	4 WHT	7 GRA
M	15 BLU/WHT	8 BLK	4 RED	8 BLK
T	16 BLK/RED	8 YEL	SHLD	8 YEL
b	17 WHT/RED	9 BLK	5 BLK	9 BLK
j	18 ORN/RED	9 PUR	5 WHT	9 PUR
r	19 BLU/RED	10 BLK	5 RED	10 BLK
w	20 RED/GRN	10 TAN	SHLD	10 TAN
v	21 ORN/GRN	11 BLK	6 BLK	11 BLK
u	22 BLK/WHT/RED	11 PNK	6 WHT	11 PNK
n	23 WHT/BLK/RED	12 WHT	6 RED	12 WHT
e	24 RED/BLK/WHT	12 RED	SHLD	12 RED
W	25 GRN/BLK/WHT	13 WHT	7 BLK	13 WHT
P	26 ORN/BLK/WHT	13 GRN	7 WHT	13 GRN
J	27 BLU/BLK/WHT	14 WHT	7 RED	14 WHT
D	28 BLK/RED/GRN	14 ORN	SHLD	14 ORN
E	29 WHT/RED/GRN	15 WHT	8 BLK	15 WHT
F	30 RED/BLK/GRN	15 BLU	8 WHT	15 BLU
G	31 GRN/BLK/ORN	16 WHT	8 RED	16 WHT
N	32 ORN/BLK/GRN	16 BRN	SHLD	16 BRN
U	33 BLU/WHT/ORN	17 WHT	9 BLK	17 WHT
c	34 BLK/WHT/ORN	17 GRA	9 WHT	17 GRA
k	35 WHT/RED/ORN	18 WHT	9 RED	18 WHT
s	36 ORN/WHT/BLU	18 YEL	SHLD	18 YEL
x	37 WHT/RED/BLU	19 WHT	10 BLK	19 WHT
z	SHLD	19 PUR	10 WHT	19 PUR
y	*	SHLD	10 RED	20 WHT
t	*	*	SHLD	20 TAN
m	*	*	*	*
d	*	*	*	*
V	*	*	*	*
O	*	*	*	*
H	*	*	*	*
C	*	*	*	*
A	*	*	*	*
B	*	*	*	*

Wiring information for insert 36-10 (3)

MIL-STD-1683A(SH)
8 November 1982



Insert 40-56

Contacts

Qty, 85
 Size 16

CABLE		CONDUCTORS/SHIELD		MIL-C	PART NUMBER ORDERING	
TYPE	O.D. (MAX)	QTY.	DIAMETER (NOM)	-915/	INFORMATION (see 4.6)	
	INCH		INCH			
ECM	1.370	24	0.039	54	MS340 * DJ40 B 56	P/S
		56	.050			P/S
MHOF-61	1.175	61	.057	14		A P/S
MSCU-61	1.220	61	.048	32		B P/S
TPNW-40	.750	80	.030	72		F D/E
TSP-31	1.062	62	.030	22		A D/E
TTSU-40	1.200	80	.030	37		B D/E
1SU-36	.985	64	.039	59		A P/S
		8	.050			P/S
1S50MU-40	1.185	80	.033	42		A D/E
2AU-40	1.370	80	.033	41		B D/E
2SU-24	1.210	80	.033	45		A D/E
2SWAU-24	1.210	72	.033	46		A D/E
2SWU-24	1.590	72	.050	49		D P/S
2U-30	.700	61	.020	63		F D/E
2WAU-40	1.370	81	.033	64		B D/E
3SU-19	1.430	76	.050	51		D P/S
3SWU-19	1.430	76	.050	52	MS340 * DJ40 D 56	P/S

WIRING INFORMATION ON PAGES 40-56 (2) through 40-56 (5)

Information for insert 40-56 (1)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

INSERT CABLE TYPE

40-56	MHOF-61 MSCU-61	TSP-31	1SU-36	2SWU-24 2SU-24 2SWAU-24	3SU-19 3SWU-19	TPNW-40 TTSU-40	ECM
x	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
y	2 WHT	1 WHT	SHLD	1 WHT	1 WHT	1 WHT	1 WHT
AJ	3 RED	2 BLK	2 WHT	SHLD	1 RED	2 BLK	SHLD
AH	4 GRN	2 RED	SHLD	2 BLK	SHLD	2 RED	2 BLK
w	5 ORN	3 BLK	3 RED	2 WHT	2 BLK	3 BLK	2 WHT
m	6 BLU	3 GRN	SHLD	SHLD	2 WHT	3 GRN	SHLD
n	7 WHT/BLK	4 BLK	4 GRN	3 BLK	2 RED	4 BLK	3 BLK
p	8 RED/BLK	4 ORN	SHLD	3 WHT	SHLD	4 ORN	3 WHT
z	9 GRN/BLK	5 BLK	5 ORN	SHLD	3 BLK	5 BLK	SHLD
AK	10 ORN/BLK	5 BLU	SHLD	4 BLK	3 WHT	5 BLU	4 BLK
AV	11 BLU/BLK	6 BLK	6 BLU	4 WHT	3 RED	6 BLK	4 WHT
AU	12 BLK/WHT	6 BRN	SHLD	SHLD	SHLD	6 BRN	SHLD
AT	13 RED/WHT	7 BLK	7 WHT/BLK	5 BLK	4 BLK	7 BLK	5 BLK
AF	14 GRN/WHT	7 GRA	SHLD	5 WHT	4 WHT	7 GRA	5 WHT
v	15 BLU/WHT	8 BLK	8 RED/BLK	SHLD	4 RED	8 BLK	SHLD
k	16 BLK/RED	8 YEL	SHLD	6 BLK	SHLD	8 YEL	6 BLK
a	17 WHT/RED	9 BLK	9 GRN/BLK	6 WHT	5 BLK	9 BLK	6 WHT
b	18 ORN/RED	9 PUR	SHLD	SHLD	5 WHT	9 PUR	SHLD
c	19 BLU/RED	10 BLK	10 ORN/BLK	7 BLK	5 RED	10 BLK	7 BLK
d	20 RED/GRN	10 TAN	SHLD	7 WHT	SHLD	10 TAN	7 WHT
q	21 ORN/GRN	11 BLK	11 BLU/BLK	SHLD	6 BLK	11 BLK	SHLD
AA	22 BLK/WHT/RED	11 PNK	SHLD	8 BLK	6 WHT	11 PNK	8 BLK
AL	23 WHT/BLK/RED	12 WHT	12 BLK/WHT	8 WHT	6 RED	12 WHT	8 WHT
AW	24 RED/BLK/WHT	12 RED	SHLD	SHLD	SHLD	12 RED	SHLD
BE	25 GRN/BLK/WHT	13 WHT	13 RED/WHT	9 BLK	7 BLK	13 WHT	1 BLK
BD	26 ORN/BLK/WHT	13 GRN	SHLD	9 WHT	7 WHT	13 GRN	1 BLK
BC	27 BLU/BLK/WHT	14 WHT	14 GRN/WHT	SHLD	7 RED	14 WHT	1 BLK
BB	28 BLK/RED/GRN	14 ORN	SHLD	10 BLK	SHLD	14 ORN	1 BLK
AS	29 WHT/RED/GRN	15 WHT	15 BLU/WHT	10 WHT	8 BLK	15 WHT	1 BLK
AE	30 RED/BLK/GRN	15 BLU	SHLD	SHLD	8 WHT	15 BLU	1 WHT
u	31 GRN/BLK/ORN	16 WHT	16 BLK/RED	11 BLK	8 RED	16 WHT	1 WHT
j	32 ORN/BLK/GRN	16 BRN	SHLD	11 WHT	SHLD	16 BRN	2 BLK
Z	33 BLU/WHT/ORN	17 WHT	17 WHT/RED	SHLD	9 BLK	17 WHT	2 BLK
R	34 BLK/WHT/ORN	17 GRA	SHLD	12 BLK	9 WHT	17 GRA	2 BLK
S	35 WHT/RED/ORN	18 WHT	18 ORN/RED	12 WHT	9 RED	18 WHT	2 BLK
T	36 ORN/WHT/BLU	18 YEL	SHLD	SHLD	SHLD	18 YEL	2 BLK
U	37 WHT/RED/BLU	19 WHT	19 BLU/RED	13 BLK	10 BLK	19 WHT	2 WHT
V	38 BRN	19 PUR	SHLD	13 WHT	10 WHT	19 PUR	2 WHT
f	39 BRN/BLK	20 WHT	20 RED/GRN	SHLD	10 RED	20 WHT	3 BLK
r	40 BRN/WHT	20 TAN	SHLD	14 BLK	SHLD	20 TAN	3 BLK
AB	41 BRN/RED	21 WHT	21 ORN/GRN	14 WHT	11 BLK	21 WHT	3 BLK
AM	42 BRN/GRN	21 PNK	SHLD	SHLD	11 WHT	21 PNK	3 BLK
AX	43 BRN/ORN	22 RED	22 BLK/WHT/RED	15 BLK	11 RED	22 RED	3 BLK
BF	44 BRN/BLU	22 GRN	SHLD	15 WHT	SHLD	22 GRN	3 WHT
BP	45 WHT/BLK/BLU	23 RED	23 WHT/BLK/RED	SHLD	12 BLK	23 RED	3 WHT
BN	46 RED/WHT/BLU	23 ORN	SHLD	16 BLK	12 WHT	23 ORN	4 BLK

Wiring information for insert 40-56 (2)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION (Continued)

INSERT CABLE TYPE

CROCK				CROCK TYPE											
40-56		MHOF-61		TSP-31		ISU-36		2SWU-24		3SU-19		TPNW-40		ECM	
		MSCU-61						2SWAU-24		3SWU-19		TTSU-40			
BM	47	GRN/ORN/RED	24	RED	24	RED/BLK/WHT	16	WHT	12	RED	24	RED	4	BLK	
BL	48	ORN/RED/BLU	24	BLU	SHLD	SHLD	SHLD	SHLD	24	BLU	4	BLK			
BK	49	BLU/RED/ORN	25	RED	25	GRN/BLK/WHT	17	BLK	13	BLK	25	RED	4	BLK	
BA	50	BLK/ORN/RED	25	BRN	SHLD	SHLD	17	WHT	13	WHT	25	BRN	4	BLK	
AR	51	WHT/BLK/ORN	26	RED	26	ORN/BLK/WHT	SHLD	SHLD	13	RED	26	RED	4	WHT	
AD	52	RED/ORN/BLK	26	GRA	SHLD	SHLD	18	BLK	SHLD	SHLD	26	GRA	4	WHT	
t	53	GRN/RED/BLU	27	RED	27	BLU/BLK/WHT	18	WHT	14	BLK	27	RED	5	BLK	
i	54	ORN/BLK/BLU	27	YEL	SHLD	SHLD	SHLD	SHLD	14	WHT	27	YEL	5	BLK	
Y	55	BLU/BLK/ORN	28	RED	28	BLK/RED/GRN	19	BLK	14	RED	28	RED	5	BLK	
P	56	BLK/ORN/GRN	28	PUR	SHLD	SHLD	19	WHT	SHLD	SHLD	28	PUR	5	BLK	
F	57	WHT/ORN/GRN	29	RED	29	WHT/RED/GRN	SHLD	SHLD	15	BLK	29	RED	5	BLK	
H	58	RED/ORN/GRN	29	TAN	SHLD	SHLD	20	BLK	15	WHT	29	TAN	5	WHT	
J	59	GRN/BLK/BLU	30	RED	30	RED/BLK/GRN	20	WHT	15	RED	30	RED	5	WHT	
K	60	ORN/GRN/BLU	30	PNK	SHLD	SHLD	SHLD	SHLD	SHLD	SHLD	30	PNK	6	BLK	
L	61	BLU/GRN/ORN	31	GRN	31	GRN/BLK/ORN	21	BLK	16	BLK	31	GRN	6	BLK	
M	*	*	31	ORN	SHLD	SHLD	21	WHT	16	WHT	31	ORN	6	BLK	
W	*	*	*	*	32	ORN/BLK/GRN	SHLD	SHLD	16	RED	32	GRN	6	BLK	
g	*	*	*	*	SHLD	SHLD	22	BLK	SHLD	SHLD	32	BLU	6	BLK	
s	*	*	*	*	33	BLU/WHT/ORN	22	WHT	17	BLK	33	GRN	6	WHT	
AN	*	*	*	*	SHLD	SHLD	SHLD	SHLD	17	WHT	33	BRN	6	WHT	
AY	*	*	*	*	34	BLK/WHT/ORN	23	BLK	17	RED	34	GRN	7	BLK	
BH	*	*	*	*	SHLD	SHLD	23	WHT	SHLD	SHLD	34	GRA	7	BLK	
BR	*	*	*	*	35	WHT/RED/ORN	SHLD	SHLD	18	BLK	35	GRN	7	BLK	
BV	*	*	*	*	SHLD	SHLD	24	BLK	18	WHT	35	YEL	7	BLK	
BU	*	*	*	*	36	ORN/WHT/BLU	24	WHT	18	RED	36	GRN	7	BLK	
BT	*	*	*	*	SHLD	SHLD	SHLD	SHLD	SHLD	SHLD	36	PUR	7	WHT	
BS	*	*	*	*	*	*	*	*	19	BLK	37	GRN	7	WHT	
BJ	*	*	*	*	*	*	*	*	19	WHT	37	TAN	8	BLK	
AZ	*	*	*	*	*	*	*	*	19	RED	38	GRN	8	BLK	
AP	*	*	*	*	*	*	*	*	SHLD	SHLD	38	PNK	8	BLK	
AC	*	*	*	*	*	*	*	*	*	*	39	ORN	8	BLK	
h	*	*	*	*	*	*	*	*	*	*	39	BLU	8	BLK	
X	*	*	*	*	*	*	*	*	*	*	40	ORN	8	WHT	
N	*	*	*	*	*	*	*	*	*	*	40	BRN	8	WHT	
E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
D	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

Wiring information for insert 40-56 (3)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION (Continued)

INSERT	CABLE TYPE		
40-56	1S50MU-40	2U-30	2AU-40 2WAU-40
x	1 BLK	1 BLK	1 BLK
y	SHLD	1 WHT	1 WHT
AJ	2 WHT	2 BLK	2 BLK
AH	SHLD	2 RED	2 RED
w	3 RED	3 BLK	3 BLK
m	SHLD	3 GRN	3 GRN
n	4 GRN	4 BLK	4 BLK
p	SHLD	4 ORN	4 ORN
z	5 ORN	5 BLK	5 BLK
AK	SHLD	5 BLU	5 BLU
AV	6 BLU	6 BLK	6 BLK
AU	SHLD	6 BRN	6 BRN
AT	7 WHT/BLK	7 BLK	7 BLK
AF	SHLD	7 GRA	7 GRA
v	8 RED/BLK	8 BLK	8 BLK
k	SHLD	8 YEL	8 YEL
a	9 GRN/BLK	9 BLK	9 BLK
b	SHLD	9 PUR	9 PUR
c	10 ORN/BLK	10 BLK	10 BLK
d	SHLD	10 TAN	10 TAN
q	11 BLU/BLK	11 BLK	11 BLK
AA	SHLD	11 PNK	11 PNK
AL	12 BLK/WHT	12 WHT	12 WHT
AW	SHLD	12 RED	12 RED
BE	13 RED/WHT	13 WHT	13 WHT
BD	SHLD	13 GRN	13 GRN
BC	14 GRN/WHT	14 WHT	14 WHT
BB	SHLD	14 ORN	14 ORN
AS	15 BLU/WHT	15 WHT	15 WHT
AE	SHLD	15 BLU	15 BLU
u	16 BLK/RED	16 WHT	16 WHT
j	SHLD	16 BRN	16 BRN
Z	17 WHT/RED	17 WHT	17 WHT
R	SHLD	17 GRA	17 GRA
S	18 ORN/RED	18 WHT	18 WHT
T	SHLD	18 YEL	18 YEL
U	19 BLU/RED	19 WHT	19 WHT
V	SHLD	19 PUR	19 PUR
f	20 RED/GRN	20 WHT	20 WHT
r	SHLD	20 TAN	20 TAN
AB	21 ORN/GRN	21 WHT	21 WHT
AM	SHLD	21 PNK	21 PNK
AX	22 BLK/WHT/RED	22 RED	22 RED
BF	SHLD	22 GRN	22 GRN
BP	23 WHT/BLK/RED	23 RED	23 RED
BN	SHLD	23 ORN	23 ORN
BM	24 RED/BLK/WHT	24 RED	24 RED
BL	SHLD	24 BLU	24 BLU
BK	25 GRN/BLK/WHT	25 RED	25 RED

Wiring information for insert 40-56 (4)

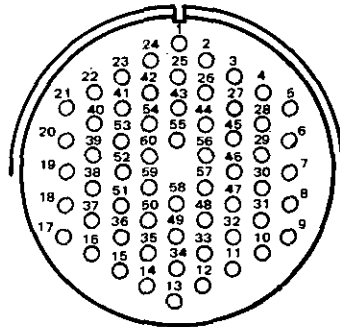
MIL-STD-1683A (SH)
8 November 1982

WIRING INFORMATION (Continued)

INSERT	CABLE TYPE		
40-56	1S50MU-40	2U-30	2AU-40 2WAU-40
BA	SHLD	25 BRN	25 BRN
AR	26 ORN/BLK/WHT	26 RED	26 RED
AD	SHLD	26 GRA	26 GRA
t	27 BLU/BLK/WHT	27 RED	27 RED
i	SHLD	27 YEL	27 YEL
Y	28 BLK/RED/GRN	28 RED	28 RED
P	SHLD	28 PUR	28 PUR
F	29 WHT/RED/GRN	29 RED	29 RED
H	SHLD	29 TAN	29 TAN
J	30 RED/BLK/GRN	30 RED	30 RED
K	SHLD	30 PNK	30 PNK
L	31 GRN/BLK/BRN	SHLD	31 GRN
M	SHLD	*	31 ORN
W	32 ORN/BLK/GRN	*	32 GRN
g	SHLD	*	32 BLU
s	33 BLU/WHT/ORN	*	33 GRN
AN	SHLD	*	33 BRN
AY	34 BLK/WHT/ORN	*	34 GRN
BH	SHLD	*	34 GRA
BR	35 WHT/RED/ORN	*	35 GRN
BV	SHLD	*	35 YEL
BU	36 ORN/WHT/BLU	*	36 GRN
BT	SHLD	*	36 PUR
BS	37 WHT/RED/BLU	*	37 GRN
BJ	SHLD	*	37 TAN
AZ	38 BRN	*	38 GRN
AP	SHLD	*	38 PNK
AC	39 BRN/BLK	*	39 ORN
h	SHLD	*	39 BLU
X	40 BRN/WHT	*	40 ORN
N	SHLD	*	40 BRN
E	*	*	SHLD
A	*	*	*
B	*	*	*
C	*	*	*
D	*	*	*

Wiring information on insert 40-56 (5)

MIL-STD-1683A (SH)
8 November 1982



Insert 40-62

Contacts

Qty, 60
Size 16

TYPE	CABLE		CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)
	O.D. (MAX)		QTY.	DIAMETER (NOM)		
	INCH			INCH		
PBTMU-30	0.980		60	0.030	17	MS340 * DJ40 A 62 A/B
TPNW-30	.680		60	.030	72	F D/E
TTSU-30	1.080		60	.030	37	A D/E
1SWU-30	1.200		60	.033	44	A D/E
2SU-19	1.040		57	.033	45	A D/E
2SWAU-19	1.040		57	.033	46	A D/E
2SWU-19	1.380		57	.050	49	D P/S
3SU-14	1.290		56	.050	51	B P/S
3SWU-14	1.290		56	.050	52	MS340 * DJ40 B 62 P/S

WIRING INFORMATION

INSERT	CABLE TYPE			
40-62	3SU-14	2SWAU-19	PBTMU-30	
	3SWU-14	2SWU-19	TPNW-30	
		2SU-19	TTSU-30	1SWU-30
57	1 BLK	1 BLK	1 BLK	1 BLK
58	1 WHT	1 WHT	1 WHT	SHLD
59	1 RED	SHLD	2 BLK	2 WHT
60	SHLD	2 BLK	2 RED	SHLD
55	2 BLK	2 WHT	3 BLK	3 RED
56	2 WHT	SHLD	3 GRN	SHLD
46	2 RED	3 BLK	4 BLK	4 GRN
47	SHLD	3 WHT	4 ORN	SHLD
48	3 BLK	SHLD	5 BLK	5 ORN
49	3 WHT	4 BLK	5 BLU	SHLD
50	3 RED	4 WHT	6 BLK	6 BLU
51	SHLD	SHLD	6 BRN	SHLD
52	4 BLK	5 BLK	7 BLK	7 WHT/BLK
53	4 WHT	5 WHT	7 GRA	SHLD

Information on insert and wiring for 40-62 (1)

MIL-STD-1683A(SH)

8 November 1982

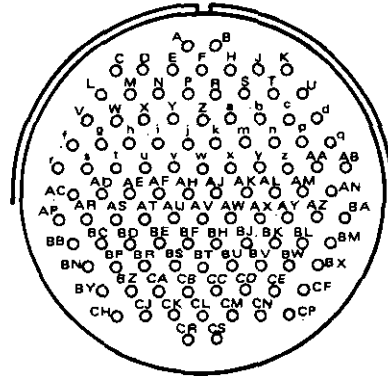
WIRING INFORMATION (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>			
40-62	3SU-14 3SWU-14	2SWAU-19 2SWU-19 2SU-19	PBTMU-30 TPNW-30 TTSU-30	1SWU-30
54	4 RED	SHLD	8 BLK	8 RED/BLK
43	SHLD	6 BLK	8 YEL	SHLD
44	5 BLK	6 WHT	9 BLK	9 GRN/BLK
45	5 WHT	SHLD	9 PUR	SHLD
29	5 RED	7 BLK	10 BLK	10 ORN/BLK
30	SHLD	7 WHT	10 TAN	SHLD
31	6 BLK	SHLD	11 BLK	11 BLU/BLK
32	6 WHT	8 BLK	11 PNK	SHLD
33	6 RED	8 WHT	12 WHT	12 BLK/WHT
34	SHLD	SHLD	12 RED	SHLD
35	7 BLK	9 BLK	13 WHT	13 RED/WHT
36	7 WHT	9 WHT	13 GRN	SHLD
37	7 RED	SHLD	14 WHT	14 GRN/WHT
38	SHLD	10 BLK	14 ORN	SHLD
39	8 BLK	10 WHT	15 WHT	15 BLU/WHT
40	8 WHT	SHLD	15 BLU	SHLD
41	8 RED	11 BLK	16 WHT	16 BLK/RED
42	SHLD	11 WHT	16 BRN	SHLD
25	9 BLK	SHLD	17 WHT	17 WHT/RED
26	9 WHT	12 BLK	17 GRA	SHLD
27	9 RED	12 WHT	18 WHT	18 ORN/RED
28	SHLD	SHLD	18 YEL	SHLD
6	10 BLK	13 BLK	19 WHT	19 BLU/RED
7	10 WHT	13 WHT	19 PUR	SHLD
8	10 RED	SHLD	20 WHT	20 RED/GRN
9	SHLD	14 BLK	20 TAN	SHLD
10	11 BLK	14 WHT	21 WHT	21 ORN/GRN
11	11 WHT	SHLD	21 PNK	SHLD
12	11 RED	15 BLK	22 RED	22 BLK/WHT/RED
13	SHLD	15 WHT	22 GRN	SHLD
14	12 BLK	SHLD	23 RED	23 WHT/BLK/RED
15	12 WHT	16 BLK	23 ORN	SHLD
16	12 RED	16 WHT	24 RED	24 RED/BLK/WHT
17	SHLD	SHLD	24 BLU	SHLD
18	13 BLK	17 BLK	25 RED	25 GRN/BLK/WHT
19	13 WHT	17 WHT	25 BRN	SHLD
20	13 RED	SHLD	26 RED	26 ORN/BLK/WHT
21	SHLD	18 BLK	26 GRA	SHLD
22	14 BLK	18 WHT	27 RED	27 BLU/BLK/WHT
23	14 WHT	SHLD	27 YEL	SHLD
24	14 RED	19 BLK	28 RED	28 BLK/RED/GRN
1	SHLD	19 WHT	28 PUR	SHLD
2	*	SHLD	29 RED	29 WHT/RED/GRN
3	*	*	29 TAN	SHLD
4	*	*	30 RED	30 RED/BLK/GRN
5	*	*	30 PNK	SHLD

Wiring information on insert 40-62 (2)

MIL-STD-1683A(SH)

8 November 1982



Insert 44-52

Contacts

Qty, 104
Size 16

TYPE	CABLE		CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION (see 4.6)		
	O.D. (MAX)		QTY	DIAMETER (NOM)				
	INCH			INCH				
MSCU-91	1.450		91	0.048	32	MS340	*	DJ44 D 52 P/S
MSP	1.635		59	.031	67			E D/E
			18	.038				P/S
			25	.060				P/S
			59	.031	66			E D/E
MSPW	1.635		18	.038				P/S
			25	.060				P/S
			100	.030	37			D D/E
TTSU-50	1.400		88	.039	57			A P/S
1SAU-44	.990		90	.033	45			B D/E
2SU-30	1.280		90	.033	46			B D/E
2SWAU-30	1.280		90	.050	49			E P/S
2SWU-30	1.760		91	.020	63			F D/E
2U-45	.870		96	.050	51			E P/S
3SU-24	1.670		96	.050	52	MS340	*	DJ44 E 52 P/S
3SWU-24	1.670							

WIRING INFORMATION:

FOR ALL CABLE TYPES, EXCEPT 2U45; SEE PAGES 44-52 (2) through 44-52 (4).
FOR TYPE 2U45 CABLE, SEE PAGES 44-52 (7) AND 44-52 (8).

Information on insert and wiring for 44-52 (1)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION

INSERT CABLE TYPE

44-52	1SAU-44	2SWU-30 2SU-30 2SWAU-30	MSCU-91	TTSU-50	3SU-24 3SWU-24	MSP MSPW
w	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	BLK
AJ	SHLD	1 WHT	2 WHT	1 WHT	1 WHT	WHT (1 BLK)
AV	2 WHT	SHLD	3 RED	2 BLK	1 RED	RED
AH	SHLD	2 BLK	4 GRN	2 RED	SHLD	SHLD
v	3 RED	2 WHT	5 ORN	3 BLK	2 BLK	BLK
j	SHLD	SHLD	6 BLU	3 GRN	2 WHT	WHT (2 WHT)
k	4 GRN	3 BLK	7 WHT/BLK	4 BLK	2 RED	RED
x	SHLD	3 WHT	8 RED/BLK	4 ORN	SHLD	SHLD
AK	5 ORN	SHLD	9 GRN/BLK	5 BLK	3 BLK	BLK
AW	SHLD	4 BLK	10 ORN/BLK	5 BLU	3 WHT	WHT (3 RED)
BH	6 BLU	4 WHT	11 BLU/BLK	6 BLK	3 RED	RED
BF	SHLD	SHLD	12 BLK/WHT	6 BRN	SHLD	SHLD
AU	7 WHT/BLK	5 BLK	13 RED/WHT	7 BLK	4 BLK	WHT (12 BLK/WHT)
AF	SHLD	5 WHT	14 GRN/WHT	7 GRA	4 WHT	SHLD
u	8 RED/BLK	SHLD	15 BLU/WHT	8 BLK	4 RED	WHT (13 RED/WHT)
i	SHLD	6 BLK	16 BLK/RED	8 YEL	SHLD	SHLD
Y	9 GRN/BLK	6 WHT	17 WHT/RED	9 BLK	5 BLK	WHT (14 GRN/WHT)
Z	SHLD	SHLD	18 ORN/RED	9 PUR	5 WHT	SHLD
a	10 ORN/BLK	7 BLK	19 BLU/RED	10 BLK	5 RED	WHT (15 BLU/WHT)
m	SHLD	7 WHT	20 RED/GRN	10 TAN	SHLD	SHLD
y	11 BLU/BLK	SHLD	21 ORN/GRN	11 BLK	6 BLK	WHT (16 BLK/RED)
AL	SHLD	8 BLK	22 BLK/WHT/RED	11 PNK	6 WHT	SHLD
AX	12 BLK/WHT	8 WHT	23 WHT/BLK/RED	12 WHT	6 RED	WHT (17 WHT/RED)
BJ	SHLD	SHLD	24 RED/BLK/WHT	12 RED	SHLD	SHLD
BU	13 RED/WHT	9 BLK	25 GRN/BLK/WHT	13 WHT	7 BLK	WHT (18 ORN/RED)
BT	SHLD	9 WHT	26 ORN/BLK/WHT	13 GRN	7 WHT	SHLD
BS	14 GRN/WHT	SHLD	27 BLU/BLK/WHT	14 WHT	7 RED	BLK
BE	SHLD	10 BLK	28 BLK/RED/GRN	14 ORN	SHLD	WHT (4 GRN)
AT	15 BLU/WHT	10 WHT	29 WHT/RED/GRN	15 WHT	8 BLK	SHLD
AE	SHLD	SHLD	30 RED/BLK/GRN	15 BLU	8 WHT	BLK
t	16 BLK/RED	11 BLK	31 GRN/BLK/ORN	16 WHT	8 RED	WHT (5 ORN)
h	SHLD	11 WHT	32 ORN/BLK/GRN	16 BRN	SHLD	SHLD
X	17 WHT/RED	SHLD	33 BLU/WHT/ORN	17 WHT	9 BLK	BLK
N	SHLD	12 BLK	34 BLK/WHT/ORN	17 GRA	9 WHT	WHT (6 BLU)
P	18 ORN/RED	12 WHT	35 WHT/RED/ORN	18 WHT	9 RED	SHLD
R	SHLD	SHLD	36 ORN/WHT/BLU	18 YEL	SHLD	BLK
S	19 BLU/RED	13 BLK	37 WHT/RED/BLU	19 WHT	10 BLK	WHT (7 WHT/BLK)
b	SHLD	13 WHT	38 BRN	19 PUR	10 WHT	SHLD
n	20 RED/GRN	SHLD	39 BRN/BLK	20 WHT	10 RED	BLK (8 RED/BLK)
z	SHLD	14 BLK	40 BRN/WHT	20 TAN	SHLD	WHT
AM	21 ORN/GRN	14 WHT	41 BRN/RED	21 WHT	11 BLK	SHLD
AY	SHLD	SHLD	42 BRN/GRN	21 PNK	11 WHT	BLK
BK	22 BLK/WHT/RED	15 BLK	43 BRN/ORN	22 RED	11 RED	WHT (9 GRN/BLK)

Wiring information for insert 44-52 (2)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION (Continued)

INSERT CABLE TYPE

44-52	1SAU-44	2SWU-30 2SU-30 2SWAU-30	MSCU-91	TTSU-50	3SU-24 3SWU-24	MSP MSPW
BV	SHLD	15 WHT	44 BRN/BLU	22 GRN	SHLD	SHLD
CD	23 WHT/BLK/RED	SHLD	45 WHT/BLK/BLU	23 RED	12 BLK	BLK
CC	SHLD	16 BLK	46 RED/WHT/BLU	23 ORN	12 WHT	WHT (10 ORN/BLK)
CB	24 RED/BLK/WHT	16 WHT	47 GRN/ORN/RED	24 RED	12 RED	SHLD
CA	SHLD	SHLD	48 ORN/RED/BLU	24 BLU	SHLD	BLK
BR	25 GRN/BLK/WHT	17 BLK	49 BLU/RED/ORN	25 RED	13 BLK	WHT (11 BLU/BLK)
BD	SHLD	17 WHT	50 BLK/ORN/RED	25 BRN	13 WHT	SHLD
AS	26 ORN/BLK/WHT	SHLD	51 WHT/BLK/ORN	26 RED	13 RED	WHT (19 BLU/RED)
AD	SHLD	18 BLK	52 RED/ORN/BLK	26 GRA	SHLD	SHLD
s	27 BLU/BLK/WHT	18 WHT	53 GRN/RED/BLU	27 RED	14 BLK	WHT (20 RED/GRN)
g	SHLD	SHLD	54 ORN/BLK/BLU	27 YEL	14 WHT	SHLD
W	28 BLK/RED/GRN	19 BLK	55 BLU/BLK/ORN	28 RED	14 RED	WHT (21 ORN/GRN)
M	SHLD	19 WHT	56 BLK/ORN/GRN	28 PUR	SHLD	SHLD
D	29 WHT/RED/GRN	SHLD	57 WHT/ORN/GRN	29 RED	15 BLK	WHT (22 BLU/WHT/RED)
E	SHLD	20 BLK	58 RED/ORN/GRN	29 TAN	15 WHT	SHLD
F	30 RED/BLK/GRN	20 WHT	59 GRN/BLK/BLU	30 RED	15 RED	WHT (23 WHT/BLK/RED)
H	SHLD	SHLD	60 ORN/GRN/BLU	30 PNK	SHLD	SHLD
J	31 GRN/BLK/ORN	21 BLK	61 BLU/GRN/ORN	31 GRN	16 BLK	WHT (24 RED/BLK/WHT)
T	SHLD	21 WHT	62 BLK/RED/BLU	31 ORN	16 WHT	SHLD
c	32 ORN/BLK/GRN	SHLD	63 WHT/ORN/BLU	32 GRN	16 RED	WHT (25 GRN/BLK/WHT)
p	SHLD	22 BLK	64 RED/BLK/BLU	32 BLU	SHLD	SHLD
AA	33 BLU/WHT/ORN	22 WHT	65 GRN/ORN/BLU	33 GRN	17 BLK	WHT (26 ORN/BLK/WHT)
AN	SHLD	SHLD	66 ORN/WHT/RED	33 BRN	17 WHT	SHLD
AZ	34 BLK/WHT/ORN	23 BLK	67 BLU/BLK/RED	34 GRN	17 RED	WHT (27 BLU/BLK/WHT)
BL	SHLD	23 WHT	68 BLK/GRN/BLU	34 GRA	SHLD	SHLD
BW	35 WHT/RED/ORN	SHLD	69 WHT/GRN/BLU	35 GRN	18 BLK	WHT (28 BLK/RED/GRN)
CE	SHLD	24 BLK	70 RED/GRN/BLU	35 YEL	18 WHT	SHLD
CN	36 ORN/WHT/BLU	24 WHT	71 GRN/WHT/RED	36 GRN	18 RED	WHT (29 WHT/RED/GRN)
CM	SHLD	SHLD	72 ORN/RED/BLK	36 PUR	SHLD	SHLD
CL	37 WHT/RED/BLU	25 BLK	73 BLU/RED/BLK	37 GRN	19 BLK	COND (30 RED/BLK/GRN)
CK	SHLD	25 WHT	74 BLK/ORN/BLU	37 TAN	19 WHT	SHLD
CJ	38 BRN	SHLD	75 RED/ORN/BLU	38 GRN	19 RED	COND (31 GRN/BLK/ORN)
BZ	SHLD	26 BLK	76 GRN/RED/BLK	38 PNK	SHLD	SHLD
BP	39 BRN/BLK	26 WHT	77 ORN/WHT/GRN	39 ORN	20 BLK	COND (32 ORN/BLK/GRN)
BC	SHLD	SHLD	78 BLU/WHT/BRN	39 BLU	20 WHT	SHLD
AR	40 BRN/WHT	27 BLK	79 RED/WHT/ORN	40 ORN	20 RED	COND (33 BLU/WHT/ORN)
AC	SHLD	27 WHT	80 GRN/WHT/ORN	40 BRN	SHLD	SHLD
r	41 BRN/RED	SHLD	81 BLU/BLK/GRN	41 ORN	21 BLK	COND (34 BLK/WHT/ORN)
f	HLD	28 BLK	82 ORN/WHT	41 GRA	21 WHT	SHLD
V	42 BRN/GRN	28 WHT	83 GRN/RED	42 ORN	21 RED	COND (35 WHT/RED/ORN)
L	SHLD	SHLD	84 BLK/GRN	42 YEL	SHLD	SHLD
C	43 BRN/ORN	29 BLK	85 WHT/GRN	43 ORN	22 BLK	COND (36 ORN/WHT/BLU)
A	SHLD	29 WHT	86 BLU/GRN	43 PUR	22 WHT	SHLD
B	44 BRN/BLU	SHLD	87 BLK/ORN	44 ORN	22 RED	COND (37 WHT/RED/BLU)

Wiring information for insert 44-52 (3)

MIL-STD-1683A(SH)
8 November 1982

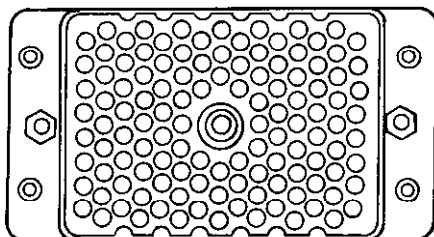
WIRING INFORMATION (Continued)

INSERT CABLE TYPE

44-52	1SAU-44	2SWU-30 2SU-30 2SWAU-30	MSCU-91	TTSU-50	3SU-24 3SWU-24	MSP MSPW
K	SHLD	30 BLK	88 WHT/ORN	44 TAN	SHLD	SHLD
U	*	30 WHT	89 RED/ORN	45 ORN	23 BLK	COND (38 BRN)
d	*	SHLD	90 GRN/ORN	45 PNK	23 WHT	SHLD
q	*	*	91 BLU/ORN	46 BLU	23 RED	COND (39 BRN/BLK)
AB	*	*	*	46 BRN	SHLD	SHLD
BA	*	*	*	47 BLU	24 BLK	COND (40 BRN/WHT)
BM	*	*	*	47 GRA	24 WHT	SHLD
BX	*	*	*	48 BLU	24 RED	COND (41 BRN/RED)
CF	*	*	*	48 YEL	SHLD	SHLD
CP	*	*	*	49 BLU	*	COND (42 BRN/GRN)
CS	*	*	*	49 PUR	*	SHLD
CR	*	*	*	50 BLU	*	COND (43 BRN/ORN)
CH	*	*	*	50 TAN	*	SHLD
BY	*	*	*	*	*	COND (44 BRN/BLU)
BN	*	*	*	*	*	SHLD
BB	*	*	*	*	*	COND (45 WHT/BLK/BLU)
AP	*	*	*	*	*	SHLD

Wiring information for insert 44-52 (4)

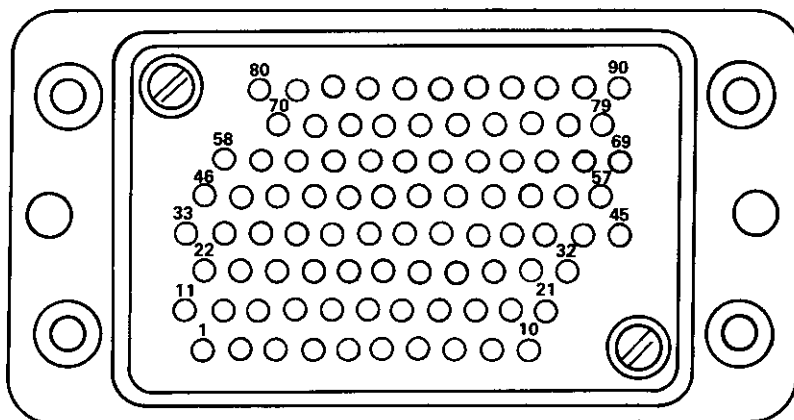
MIL-STD-1683A(SH)
8 November 1982



INSERT 44-52 FOR TYPE 2045 CABLE (MIL-C-5015 CONNECTOR (104, SIZE 16 CONTACTS) ON ONE END AND A RECTANGULAR 90- OR 120-PIN CONNECTOR ON THE OTHER END).

FOR INSERT DIAGRAM AND PART NUMBER ORDERING INFORMATION FOR MIL-C-5015 CONNECTOR AND DIMENSIONAL DATA FOR TYPE 2045 CABLE, SEE PAGE 44-52 (1).

RECTANGULAR
MIL-C-28731/17 - FIXED SOCKET
- TYPE D 120-PIN WITH FORK
TYPE CONTACTS CONFORMING TO
MIL-C-28731/20. (SEE PAGE
44-52 (6) FOR ENLARGED VIEW)



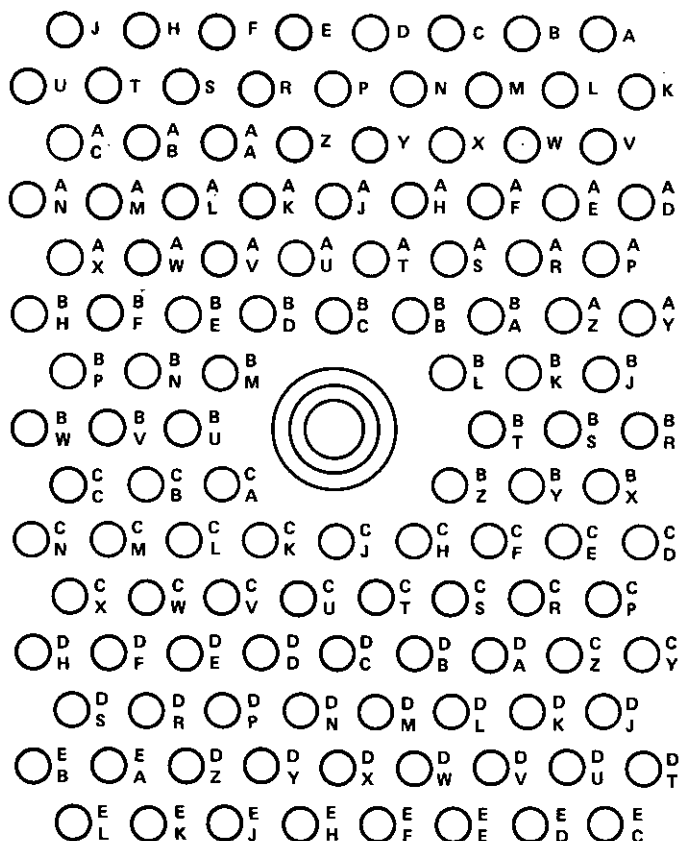
UNIVAC #259056-12
FSN-5935-888-7491
90 PIN

Information for 44-52 (5)

MIL-STD-1683A(SH)

8 November 1982

INSERT PATTERN FOR MIL-C-28731/17
RECTANGULAR CONNECTOR
(ENLARGED VIEW)



Insert pattern 44-52 (6)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION FOR TYPE 2U45 CABLE

INSERT	CABLE TYPE	UNIVAC (90-PIN) ^{1/}	RECTANGULAR (120-PIN)
44-52	2U-45 (MIL-C-915/63) #259056-12		MIL-C-28731/17
w	1 BLK	39	BL
AJ	1 WHT	27	BT
AV	2 BLK	38	BZ
AH	2 RED	51	CH
v	3 BLK	52	CJ
j	3 GRN	40	CK
k	4 BLK	28	CA
x	4 ORN	17	BU
AK	5 BLK	16	BM
AW	5 BLU	26	BD
BH	6 BLK	37	BC
BF	6 BRN	50	BB
AU	7 BLK	62	BA
AF	7 GRA	63	BK
u	8 BLK	64	BS
i	8 YEL	53	BY
Y	9 BLK	41	CF
Z	9 PUR	29	CS
a	10 BLK	18	CT
m	10 TAN	7	CU
y	11 BLK	6	CV
AL	11 PNK	5	CL
AX	12 WHT	15	CB
BJ	12 RED	25	BV
BU	13 WHT	36	BN
BT	13 GRN	49	BE
BS	14 WHT	61	AV
BE	14 ORN	72	AU
AT	15 WHT	73	AT
AE	15 BLU	74	AS
t	16 WHT	75	AR
h	16 BRN	65	AZ
X	17 WHT	54	BJ
N	17 GRA	42	BR
P	18 WHT	30	BX
R	18 YEL	19	CE
S	19 WHT	8	CR
b	19 PUR	4	DA
n	20 WHT	14	DB
z	20 TAN	24	DC
AM	21 WHT	35	DD
AY	21 PNK	48	DE
BK	22 RED	60	CW
BV	22 GRN	71	CM
CD	23 RED	82	CC
CC	23 ORN	38	BW

See footnote at end of tabulation.

Wiring information on insert 44-52 (7)

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION FOR TYPE 2U45 CABLE (Continued)

INSERT	CABLE TYPE	UNIVAC (90-PIN) ^{1/}	RECTANGULAR (120-PIN)
44-52	2U-45 (MIL-C-915/63)	#239056-12	MIL-C-28731/17
CB	24 RED	84	BP
CA	24 BLU	85	BF
BR	25 RED	86	AW
BD	25 BRN	76	AL
AS	26 RED	66	AK
AD	26 GRA	55	AJ
s	27 RED	43	AH
g	27 YEL	31	AF
W	28 RED	20	AE
M	28 PUR	9	AP
D	29 RED	3	AY
E	29 TAN	13	CD
F	30 RED	23	CP
H	30 PNK	34	CZ
J	31 GRN	47	DK
T	31 ORN	59	DL
c	32 GRN	70	DM
P	32 BLU	81	DN
AA	33 GRN	87	DP
AN	33 BRN	77	DR
AZ	34 GRN	67	DF
BL	34 GRA	56	CX
BW	35 GRN	44	CN
CE	35 YEL	32	BH
CN	36 GRN	21	AX
CM	36 PUR	10	AM
CL	37 GRN	2	AB
CK	37 TAN	12	AA
CJ	38 GRN	22	Z
BZ	38 PNK	33	Y
BP	39 ORN	46	X
BC	39 BLU	58	W
AR	40 ORN	80	V
AC	40 BRN	88	AD
r	41 ORN	78	CY
f	41 GRA	68	DJ
V	42 ORN	57	DU
L	42 YEL	45	DV
C	43 ORN	89	DW
A	43 PUR	79	DX
B	44 ORN	69	DY
K	44 TAN	90	DZ
U	45 ORN	1	EA
d	45 PNK	11	DS
q	SHLD	*	DH
AB	*	*	AN

See footnote at end of tabulation.

Wiring information on insert 44-52 (8)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION FOR TYPE 2U₄5 CABLE (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>	UNIVAC (90-PIN) ^{1/}	RECTANGULAR (120-PIN)
44-52	2U-45 (MIL-C-915/63) #259056-12		MIL-C-28731/17
BA	*	*	AC
BM	*	*	T
BX	*	*	S
CF	*	*	R
CP	*	*	P
CS	*	*	N
CR	*	*	M
CH	*	*	L
BT	*	*	K
BN	*	*	DT
BB	*	*	EC
AP	*	*	ED
			EE
			EF
			EH
			EJ
			EK
			EL
			EB
			U
			J
			H
			F
			E
			D
			C
			B
			A

^{1/}Or equivalent

Wiring information on insert 44-52 (9)

MIL-STD-1683A(SH)

8 November 1982

Section 200

TABLE IV. MIL-C-28840 Connector inserts to MIL-C-915 cable cross-reference.

INSERT	CABLES
11-7	MMOP-5, TPNW-1-1/2, -3, TTOP-3, TTSU-1-1/2, -3, 1SWU-2.
13-12	PBTMU-5, TPNW-5, TTOP-5, TTSU-5, 2SMU-5, 2SU-3, 2SUS-3, 2SWAU-3, 2SWF-3, -4, 1SWF-12.
15-21	MU-14, MUS-14, TPNW-10, TTOP-10, TTRS-2, -4, TTSU-10, 2SU-7, 2SWAU-7, 2U-10.
17-31	PBTMU-15, TPNW-15, TSP-11, 2SUS-7, 2U-15.
19-42	TPNW-20, TTRS-15, -20, 1SWU-14, 1S50MU-16, -20, 1S50MUS-16, -20, 2SWAU-10, -14, 2SU-10, -14, 2U-19, -18, TTOP-15, 2SWF-7.
23-64	PBTMU-30, TPNW-30, TSP-31, TTRS-8, -10, -12, -16, TTSU-30, 1SWU-20, -30, 2SU-19, 2SUS-14, -19, 2SWAU-19, 2U-30, 1S75MU-8.
25-92	TPNW-40, TTSU-40, 1SAU-44, 1S50MU-40, 2AU-40, 2AUS-40, 2SU-24, -30, 2SUS-24, -30, 2SWAU-24, -30, 2U-45, 2UW-42, 2WAU-40.
29-121	2SU-37, 2SUS-37, 2SWAU-37, 2U-60.
33-155	1SMWU-70, 1S50MU-70, 1S50MUS-70, 2SU-44, 2SUS-49, 2SWAU-44, TTSU-50, -60.

TABLE V. MIL-C-915 Cable to MIL-C-28840 connector insert cross-reference.

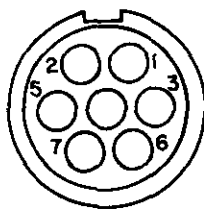
CABLE	INSERT	CABLE	INSERT	CABLE	INSERT
MMOP-5	11-7	1SAU-44	25-92	2SUS-14	23-64
MU-14	15-21	1SMU-5	13-12	2SUS-19	23-64
MUS-14	15-21	1SMWU-70	33-155	2SUS-24	25-92
PBTMU-5	13-12			2SUS-30	25-92
PBTMU-15	17-31	1SU-60	29-121	2SUS-37	29-121
PBTMU-30	23-64	1SWF-2	13-12	2SUS-44	33-155
TPNW-1-1/2	11-7	1SWU-2	11-7	2SWAU-3	13-12
TPNW-3	11-7	1SWU-14	19-42	2SWAU-7	15-21
TPNW-5	13-12	1SWU-20	23-64	2SWAU-10	19-42
TPNW-10	15-21	1SWU-30	23-64	2SWAU-14	19-42
TPNW-15	17-31			2SWAU-19	23-64
TPNW-20	19-42	1S50MU-16	19-42	2SWAU-24	25-92
TPNW-30	23-64	1S50MU-20	19-42	2SWAU-30	25-92
TPNW-40	25-92	1S50MU-40	25-92	2SWAU-37	29-121
		1S50MU-70	33-155	2SWAU-44	33-155
TSP-11	17-31			2WAU-40	25-92
TSP-31	23-64	1S50MUS-16	19-42	2SWF-3	13-12
		1S50MUS-20	19-42	2SWF-4	13-12
TTOP-3	11-7	1S50MUS-40	25-92	2SWF-7	19-42
TTOP-5	13-12	1S50MUS-70	33-155	2U-10	15-21
TTOP-10	15-21			2U-15	17-31
TTOP-15	19-42	1S75MU-8	23-64	2U-19	19-42
TTRS-2	15-21	2AU-40	25-92	2U-30	23-64
TTRS-4	15-21	2AUS-40	25-92	2U-45	25-92
TTRS-6	19-42			2U-60	29-121
TTRS-8	23-64	2SU-3	13-12	2UW-42	25-92
TTRS-10	23-64	2SU-7	15-21		
TTRS-12	23-64	2SU-10	19-42		
TTRS-16	23-64	2SU-14	19-42		
TTSU-1-1/2	11-7	2SU-19	23-64		
TTSU-3	11-7	2SU-24	25-92		
TTSU-5	13-12	2SU-30	25-92		
TTSU-10	15-21	2SU-37	29-121		
TTSU-15	19-42	2SU-44	33-155		
TTSU-20	19-42				
TTSU-30	23-64	2SUS-3	13-12		
TTSU-40	25-92	2SUS-7	17-31		
TTSU-50	33-155	2SUS-10	19-42		
TTSU-60	33-155				

MIL-STD-1683A(SH)
8 November 1982

TABLE VI. MIL-C-28840 Contact information.

WIRE SIZE	STRIP LENGTH	FRONT RELEASE CONTACT		TOOL		CRIMP TOOL	SEALING PLUG
		SOCKET M39029/84	PIN M39029/83	EXTRACT M81969	INSERT M81969	M22520/34-0 M22520/34-02	MS37186
20,22,24	.1875	-20 -20	-20 -20	34-01	33-01		-1
22,24,26	.1875	-20 -22	-20 -22	34-01	33-01		-1
28,30,32	.1875	-20 -28	-20 -28	34-01	33-01		-1

MIL-STD-1683A(SH)
8 November 1982



Insert: 11-7

Contacts

Qty: 7
Size: 20

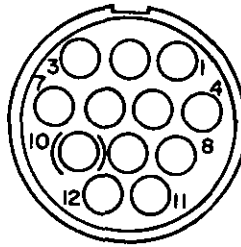
<u>TYPE</u>	<u>CABLE</u>	<u>O.D.</u>	<u>CONDUCTORS/SHIELD</u> <u>QTY</u>	<u>DIAMETER</u>	<u>MIL-C</u> <u>-915/</u>	<u>PART NUMBER ORDERING</u> <u>INFORMATION</u>
MMOP-5		0.305	5	0.028	15	M28840/26CA1A B * 1
TPNW-1-1/2		.220	3	.030	72	↑ A ↑
TPNW-3		.290	6	.030	72	↑ A ↑
TTOP-3		.480	6	.038	24	↑ C ↑
TTSU-1-1/2		.330	3	.030	37	↑ B ↑
TTSU-3		.450	6	.030	37	↑ C ↑
ISWU-2		.455	4	.031	44	M28840/26CA1C B * I

WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>			
11-7	TPNW-1-1/2 TTSU-1-1/2	TPNW-3 TTSU-3 TTOP-3	ISWU-2	MMOP-5
4	1 BLK	1 BLK	1 BLK	1 BLK
1	2 WHT	1 WHT	SHLD	2 WHT
3	*	2 BLK	2 WHT	3 RED
6	*	2 RED	SHLD	4 GRN
7	3 RED	3 BLK	*	5 ORN
5	*	3 GRN	*	6 *
2	*	*	*	7 *

Information on insert and wiring on 11-7

MIL-STD-1683A(SH)
8 November 1982



Insert: 13-12

Contacts

Qty: 12

Size: 20

CABLE TYPE	O.D.	CONDUCTORS/SHIELD QTY	DIAMETER	MIL-C -915/	PART NUMBER ORDERING INFORMATION
PBTMU-5	0.540	10	0.030	17	M28840/26CB1C B * 1
TPNW-5	.340	10	.030	72	B
TTOP-5	.590	10	.038	24	D
TTSU-5	.540	10	.030	37	C
1SMU-5	.500	10	.033	56	C
2SU-3	.520	9	.033	45	C
2SU-3	.500	9	.033	45R	C
2SUS-3	.535	10	.033	45R	C
2SWAU-3	.520	9	.033	46	C
2SWF-3	.625	9	.033	48	C
2SWF-4	.625	12	.033	48	D
1SWF-2	.625	4	.033	47	D
					M28840/26CB1D B * 1

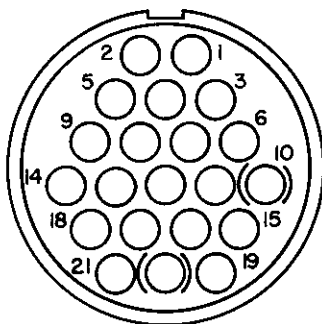
WIRING INFORMATION

INSERT	CABLE TYPE				
13-12	PBTMU-5	2SU-3	1SMU-5	2SWF-4	1SWF-2
	TPNW-5	2SUS-3			
	TTOP-5	2SWAU-3			
	TTSU-5	2SWF-3			
9	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
6	1 WHT	1 WHT	SHLD	1 WHT	SHLD
5	2 BLK	SHLD	2 WHT	SHLD	2 WHT
8	2 RED	2 BLK	SHLD	2 BLK	SHLD
11	3 BLK	2 WHT	3 RED	2 WHT	*
12	3 GRN	SHLD	SHLD	SHLD	*
10	4 BLK	3 BLK	4 GRN	3 BLK	*
7	4 ORN	3 WHT	SHLD	SHLD	*
3	5 BLK	SHLD	5 ORN	SHLD	*
2	5 BLU	**SHLD	SHLD	4 BLK	*
1	*	*	*	4 WHT	*
4	*	*	*	SHLD	*

** (SHLD for 2SUS-3 only)

Information on insert and wiring for 13-12

MIL-STD-1683A(SH)
8 November 1982



Insert: 15-21

Contacts

Qty: 21
Size: 20

CABLE		CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION
TYPE	O.D.	QTY	DIAMETER		
MU-14	0.400	14	0.039	43	M28840/26CC1D ↑ ↓ M28840/26CC1A B ↑ ↓ B * ↑ ↓ * 1 ↑ ↓ 1
MUS-14	.460	16	.039	43P	
TPNW-10	.450	20	.030	72	
TTOP-10	.700	20	.038	24	
TTRS-4	.740	12	.038	25	
TTSU-10	.675	20	.030	37	
TTRS-2	.680	6	.038	25	
2SU-7	.660	21	.033	45	
2SU-7	.610	21	.033	45R	
2SWAU-7	.660	21	.033	46	
2U-10	.480	21	.020	63	
2US-6	.430	14	.020	63R	

WIRING INFORMATION ON PAGE 15-21 (1)

Information on insert 15-21

MIL-STD-1683A(SH)

8 November 1982

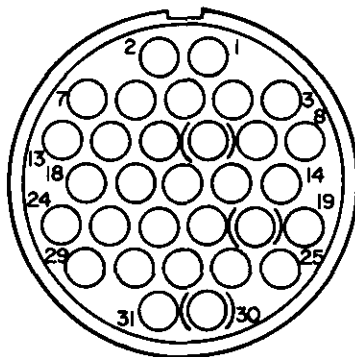
WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>				
15-21	2SU-7 2SWAU-7	TTRS-4 TTRS-2	TPNW-10 TTOP-10 TTSU-10 2U-10	MU-14 MUS-14	
12	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
7	1 WHT	1 WHT	1 WHT	1 WHT	2 WHT
11	SHLD	SHLD	2 BLK	2 BLK	3 RED
16	2 BLK	2 BLK	2 RED	2 RED	4 GRN
17	2 WHT	2 WHT	3 BLK	3 BLK	5 ORN
13	SHLD	SHLD	3 GRN	3 GRN	6 BLU
8	3 BLK	****3 BLK	4 BLK	4 BLK	7 WHT/BLK
4	3 WHT	****3 WHT	4 ORN	4 ORN	8 RED/BLK
3	SHLD	****SHLD	5 BLK	5 BLK	9 GRN/BLK
6	4 BLK	****4 BLK	5 BLU	5 BLU	10 ORN/BLK
10	4 WHT	****4 WHT	6 BLK	6 BLK	11 BLU/BLK
15	SHLD	****SHLD	6 BRN	6 BRN	12 BLK/WHT
19	5 BLK	*	7 BLK	SHLD	13 RED/WHT
20	5 WHT	*	7 GRA	SHLD	14 GRN/WHT
21	SHLD	*	8 BLK	*	***SHLD
18	6 BLK	*	8 YEL	*	*
14	6 WHT	*	9 BLK	*	*
9	SHLD	*	9 PUR	*	*
5	7 BLK	*	10 BLK	*	*
2	7 WHT	*	10 TAN	*	*
1	SHLD	*	**SHLD	*	*

** (SHLD FOR 2U-10 ONLY)
 *** (SHLD FOR MUS-14 ONLY)
 **** (FOR TTRS-4 ONLY)

Wiring information for insert 15-21 (1)

MIL-STD-1683A(SH)
8 November 1982



Insert: 17-31

Contacts

Qty: 31
Size: 20

CABLE		CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION
TYPE	O.D.	QTY	DIAMETER		
PBTMU-15	0.750	30	0.030	17	M28840/26CD1B ↑ ↓ M28840/26CD1A A ↑ B ↓ B B ↑ B ↓ B * ↑ ↓ * 1 ↑ ↓ 1
TPNW-15	.510	30	.030	72	
TSP-11	.735	22	.030	22	
2SU-10	.660	30	.033	45R	
2SUS-7	.645	22	.033	45R	
2U-15	.560	31	.020	63	

Wiring information on page 17-31 (1)

Information on insert 17-31

MIL-STD-1683A(SH)
8 November 1982

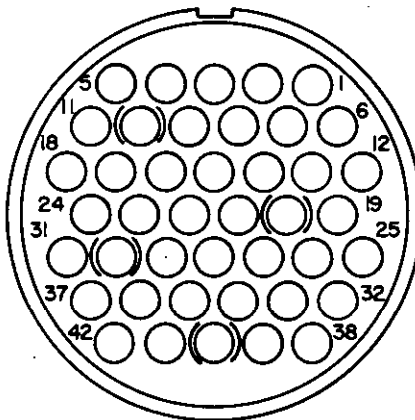
WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>			
17-31	2SU-10	TSP-11	PBTMU-15 TPNW-15 2U-15	2SUS-7
16	1 BLK	1 BLK	1 BLK	1 BLK
10	1 WHT	1 WHT	1 WHT	1 WHT
15	SHLD	2 BLK	2 BLK	SHLD
21	2 BLK	2 RED	2 RED	2 BLK
22	2 WHT	3 BLK	3 BLK	2 WHT
17	SHLD	3 GRN	3 GRN	SHLD
11	3 BLK	4 BLK	4 BLK	3 BLK
5	3 WHT	4 ORN	4 ORN	3 WHT
4	SHLD	5 BLK	5 BLK	SHLD
9	4 BLK	5 BLU	5 BLU	4 BLK
14	4 WHT	6 BLK	6 BLK	4 WHT
20	SHLD	6 BRN	6 BRN	SHLD
26	5 BLK	7 BLK	7 BLK	5 BLK
27	5 WHT	7 GRA	7 GRA	5 WHT
28	SHLD	8 BLK	8 BLK	SHLD
23	6 BLK	8 YEL	8 YEL	6 BLK
18	6 WHT	9 BLK	9 BLK	6 WHT
12	SHLD	9 PUR	9 PUR	SHLD
6	7 BLK	10 BLK	10 BLK	7 BLK
2	7 WHT	10 TAN	10 TAN	7 WHT
1	SHLD	11 BLK	11 BLK	SHLD
3	8 BLK	11 PNK	11 PNK	SHLD
8	8 WHT	*	12 WHT	
19	SHLD	*	12 RED	
25	9 BLK	*	13 WHT	
30	9 WHT	*	13 GRN	
31	SHLD	*	14 WHT	
29	10 BLK	*	14 ORN	
24	10 WHT	*	15 WHT	
13	SHLD	*	15 BLU	
7		*	**SHLD	

** (SHLD FOR 2U-15 ONLY)

Wiring information for insert 17-31 (1)

MIL-STD-1683A(SH)
8 November 1982



Insert: 19-42

Contacts

Qty: 42
Size: 20

CABLE		CONDUCTORS/SHIELD QTY	DIAMETER	MIL-C -915/	PART NUMBER ORDERING INFORMATION
TYPE	O.D.				
TPNW-20	0.560	40	0.030	72	M28840/26CE1A B * 1
TTRS-6	.880	12	.038	25	B
TTSU-15	.800	30	.038	37	B
TTSU-20	.870	40	.038	37	B
1S50MU-16	.825	32	.033	42	B
1S50MU-16	.726	32	.033	42R	B
1S50MU-20	.905	40	.033	42	B
1S50MU-20	.810	40	.033	42R	B
1S50MUS-16	.820	33	.033	42R	B
1S50MUS-20	.840	41	.033	42R	B
2SWAU-14	.930	42	.033	46	B
2SU-14	.930	42	.033	45	B
2SU-14	.780	42	.033	45R	B
2U-19	.580	39	.020	63	A
2US-18	.590	38	.020	63R	A
2SWAU-10	.830	30	.033	46	B
2SU-10	.830	30	.020	45	B
2SUS-10	.795	31	.020	45R	B
2SWF-7	.815	21	.033	48	B
1SWU-14	.870	28	.031	44	B
TTOP-15	.830	30	.038	24	M28840/26CE1 B B * 1

Wiring information on pages 19-42(1) and 19-42(2)

Information on insert 19-42

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>					
19-42	1S50MU-16 1S50MUS-16	1S50MU-20 1S50MUS-20	TTRS-6	2SU-14 2SWAU-14	2U-19	TTSU-20 TPNW-20
22	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
15	SHLD	SHLD	1 WHT	1 WHT	1 WHT	1 WHT
21	2 WHT	2 WHT	SHLD	SHLD	2 BLK	2 BLK
28	SHLD	SHLD	2 BLK	2 BLK	2 RED	2 RED
29	3 RED	3 RED	2 WHT	2 WHT	3 BLK	3 BLK
23	SHLD	SHLD	SHLD	SHLD	3 GRN	3 GRN
16	4 GRN	4 GRN	3 BLK	3 BLK	4 BLK	4 BLK
9	SHLD	SHLD	3 WHT	3 WHT	4 ORN	4 ORN
8	5 ORN	5 ORN	SHLD	SHLD	5 BLK	5 BLK
14	SHLD	SHLD	4 BLK	4 BLK	5 BLU	5 BLU
20	6 BLU	6 BLU	4 WHT	4 WHT	6 BLK	6 BLK
27	SHLD	SHLD	SHLD	SHLD	6 BRN	6 BRN
34	7 WHT/BLK	7 WHT/BLK	5 BLK	5 BLK	7 BLK	7 BLK
35	SHLD	SHLD	5 WHT	5 WHT	7 GRA	7 GRA
36	8 RED/BLK	8 RED/BLK	SHLD	SHLD	8 BLK	8 BLK
30	SHLD	SHLD	6 BLK	6 BLK	8 YEL	8 YEL
24	9 GRN/BLK	9 GRN/BLK	6 WHT	6 WHT	9 BLK	9 BLK
17	SHLD	SHLD	SHLD	SHLD	9 PUR	9 PUR
10	10 ORN/BLK	10 ORN/BLK	*	7 BLK	10 BLK	10 BLK
4	SHLD	SHLD	*	7 WHT	10 TAN	10 TAN
3	11 BLU/BLK	11 BLU/BLK	*	SHLD	11 BLK	11 BLK
2	SHLD	SHLD	*	8 BLK	11 PNK	11 PNK
7	12 BLK/WHT	12 BLK/WHT	*	8 WHT	12 WHT	12 WHT
13	SHLD	SHLD	*	SHLD	12 RED	12 RED
19	13 RED/WHT	13 RED/WHT	*	9 BLK	13 WHT	13 WHT
26	SHLD	SHLD	*	9 WHT	13 GRN	13 GRN
33	14 GRN/WHT	14 GRN/WHT	*	SHLD	14 WHT	14 WHT
39	SHLD	SHLD	*	10 BLK	14 ORN	14 ORN
40	15 BLU/WHT	15 BLU/WHT	*	10 WHT	15 WHT	15 WHT
41	SHLD	SHLD	*	SHLD	15 BLU	15 BLU
42	16 BLK/RED	16 BLK/RED	*	11 BLK	16 WHT	16 WHT
37	SHLD	SHLD	*	11 WHT	16 BRN	16 BRN
31	**SHLD	17 WHT/RED	*	SHLD	17 WHT	17 WHT
18	*	SHLD	*	12 BLK	17 GRA	17 GRA
11	*	18 ORN/RED	*	12 WHT	18 WHT	18 WHT
5	*	SHLD	*	SHLD	18 YEL	18 YEL
1	*	19 BLU/RED	*	13 BLK	19 WHT	19 WHT
6	*	SHLD	*	13 WHT	19 PUR	19 PUR
12	*	20 RED/GRN	*	SHLD	SHLD	20 WHT
25	*	SHLD	*	14 BLK	*	20 TAN
32	*	***SHLD	*	14 WHT	*	*
38	*	*	*	SHLD	*	*

** - (FOR 1S50MUS-16 ONLY)
*** - (FOR 1S50MUS-20 ONLY)

Wiring information on insert 19-42 (1)

MIL-STD-1683A(SH)
8 November 1982

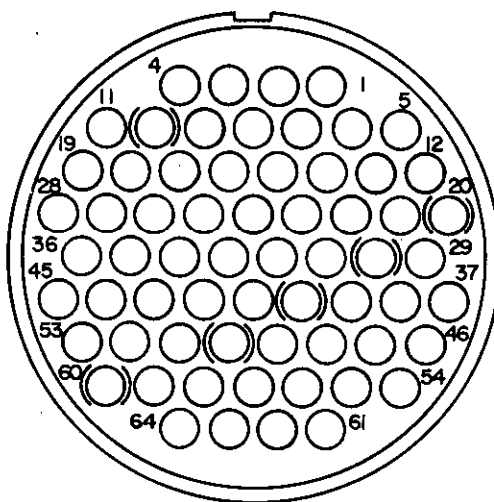
WIRING INFORMATION - (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>				
19-42	1SWU-14	2SWF-7	2SWAU-10 2SUS-10		TTSU-15 TTOP-15
22	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
15	SHLD	1 WHT	1 WHT	1 WHT	1 WHT
21	2 WHT	SHLD	SHLD	2 BLK	2 BLK
28	SHLD	2 BLK	2 BLK	2 RED	2 RED
29	3 RED	2 WHT	2 WHT	3 BLK	3 BLK
23	SHLD	SHLD	SHLD	3 GRN	3 GRN
16	4 GRN	3 BLK	3 BLK	4 BLK	4 BLK
9	SHLD	3 WHT	3 WHT	4 ORN	4 ORN
8	5 ORN	SHLD	SHLD	5 BLK	5 BLK
14	SHLD	4 BLK	4 BLK	5 BLU	5 BLU
20	6 BLU	4 WHT	4 WHT	6 BLK	6 BLK
27	SHLD	SHLD	SHLD	6 BRN	6 BRN
34	7 WHT/BLK	5 BLK	5 BLK	7 BLK	7 BLK
35	SHLD	5 WHT	5 WHT	7 GRA	7 GRA
36	8 RED/BLK	SHLD	SHLD	8 BLK	8 BLK
30	SHLD	6 BLK	6 BLK	8 YEL	8 YEL
24	9 GRN/BLK	6 WHT	6 WHT	9 BLK	9 BLK
17	SHLD	SHLD	SHLD	9 PUR	9 PUR
10	10 ORN/BLK	7 BLK	7 BLK	10 BLK	10 BLK
4	SHLD	7 WHT	7 WHT	10 TAN	10 TAN
3	11 BLU/BLK	SHLD	SHLD	11 BLK	11 BLK
2	SHLD	*	8 BLK	11 PNK	11 PNK
7	12 BLK/WHT	*	8 WHT	12 WHT	12 WHT
13	SHLD	*	SHLD	12 RED	12 RED
19	13 RED/WHT	*	9 BLK	13 WHT	13 WHT
26	SHLD	*	9 WHT	13 GRN	13 GRN
33	14 GRN/WHT	*	SHLD	14 WHT	14 WHT
39	SHLD	*	10 BLK	14 ORN	14 ORN
40	*	*	10 WHT	15 WHT	15 WHT
41	*	*	SHLD	15 BLU	15 BLU
42	*	*	****SHLD	16 WHT	*
37	*	*	*	16 BRN	*
31	*	*	*	17 WHT	*
18	*	*	*	17 GRA	*
11	*	*	*	18 WHT	*
5	*	*	*	18 YEL	*
1	*	*	*	SHLD	*
6	*	*	*	SHLD	*
12	*	*	*	*	*
25	*	*	*	*	*
32	*	*	*	*	*
38	*	*	*	*	*

**** - (FOR 2SUS-10 ONLY)

Wiring information on insert 19-42 (2)

MIL-STD-1683A(SH)
8 November 1982



Insert: 23-64

Contacts

Qty: 64
Size: 20

CABLE TYPE	O.D.	CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION		
		QTY	DIAMETER				
PBTMU-30	0.980	60	0.030	17	M28840/26CF1C	B	* 1
TPNW-30	.680	60	.030	72		A	
TSP-31	1.062	62	.030	22		C	
TTRS-16	1.190	48	.038	25		C	
TTSU-30	1.080	60	.038	37		C	
1SWU-30	1.200	60	.031	44		C	
2SU-19	1.040	57	.033	45		C	
2SU-19	.910	57	.033	45R		C	
2SUS-14	.815	43	.033	45R		B	
2SUS-19	.945	58	.033	45R		B	
2SWAU-19	1.040	57	.033	46		C	
2U-30	.700	61	.020	63		C	
TTRS-8	.990	24	.038	25		A	
TTRS-10	1.080	30	.038	25		C	
TTRS-12	1.100	36	.038	25		C	
1SWU-20	1.030	40	.031	44		C	
1S75MU-8	1.030	16	.033	55	M28840/26CF1C	B	* 1

Wiring information on pages 63 through 65

Information on insert 23-64

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>				
23-64	LSWU-30	TTRS-16	2SU-19 2SWAU-19 2SUS-19	PBTMU-30 TTSU-30 TPNW-30 2U-30	TSP-31
33	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
24	SHLD	1 WHT	1 WHT	1 WHT	1 WHT
32	2 WHT	SHLD	SHLD	2 BLK	2 BLK
41	SHLD	2 BLK	2 BLK	2 RED	2 RED
42	3 RED	2 WHT	2 WHT	3 BLK	3 BLK
34	SHLD	SHLD	SHLD	3 GRN	3 GRN
25	4 GRN	3 BLK	3 BLK	4 BLK	4 BLK
16	SHLD	3 WHT	3 WHT	4 ORN	4 ORN
15	5 ORN	SHLD	SHLD	5 BLK	5 BLK
23	SHLD	4 BLK	4 BLK	5 BLU	5 BLU
31	6 BLU	4 WHT	4 WHT	6 BLK	6 BLK
40	SHLD	SHLD	SHLD	6 BRN	6 BRN
49	7 WHT/BLK	5 BLK	5 BLK	7 BLK	7 BLK
50	SHLD	5 WHT	5 WHT	7 GRA	7 GRA
51	8 RED/BLK	SHLD	SHLD	8 BLK	8 BLK
43	SHLD	6 BLK	6 BLK	8 YEL	8 YEL
35	9 GRN/BLK	6 WHT	6 WHT	9 BLK	9 BLK
26	SHLD	SHLD	SHLD	9 PUR	9 PUR
17	10 ORN/BLK	7 BLK	7 BLK	10 BLK	10 BLK
9	SHLD	7 WHT	7 WHT	10 TAN	10 TAN
8	11 BLU/BLK	SHLD	SHLD	11 BLK	11 BLK
7	SHLD	8 BLK	8 BLK	11 PNK	11 PNK
14	12 BLK/WHT	8 WHT	8 WHT	12 WHT	12 WHT
22	SHLD	SHLD	SHLD	12 RED	12 RED
30	13 RED/WHT	9 BLK	9 BLK	13 WHT	13 WHT
39	SHLD	9 WHT	9 WHT	13 GRN	13 GRN
48	14 GRN/WHT	SHLD	SHLD	14 WHT	14 WHT
56	SHLD	10 BLK	10 BLK	14 ORN	14 ORN
57	15 BLU/WHT	10 WHT	10 WHT	15 WHT	15 WHT
58	SHLD	SHLD	SHLD	15 BLU	15 BLU
59	16 BLK/RED	11 BLK	11 BLK	16 WHT	16 WHT
52	SHLD	11 WHT	11 WHT	16 BRN	16 BRN
44	17 WHT/RED	SHLD	SHLD	17 WHT	17 WHT
36	SHLD	12 BLK	12 BLK	17 GRA	17 GRA
27	18 ORN/RED	12 WHT	12 WHT	18 WHT	18 WHT
18	SHLD	SHLD	SHLD	18 YEL	18 YEL
10	19 BLU/RED	13 BLK	13 BLK	19 WHT	19 WHT
4	SHLD	13 WHT	13 WHT	19 PUR	19 PUR
3	20 RED/GRN	SHLD	SHLD	20 WHT	20 WHT
2	SHLD	14 BLK	14 BLK	20 TAN	20 TAN
1	21 ORN/GRN	14 WHT	14 WHT	21 WHT	21 WHT
6	SHLD	SHLD	SHLD	21 PNK	21 PNK
13	22 BLK/WHT/RED	15 BLK	15 BLK	22 RED	22 RED
21	SHLD	15 WHT	15 WHT	22 GRN	22 GRN

Wiring information on insert 23-64 (1)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION - (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>				
23-64	1SWU-30	TTRS-16	2SU-19	PBTMU-30	TSP-31
			2SWAU-19	TTSU-30	
			2SUS-19	TPNW-30	
				2U-30	
29	23 WHT/BLK/RED	SHLD	SHLD	23 RED	23 RED
38	SHLD	16 BLK	16 BLK	23 ORN	23 ORN
47	24 RED/BLK/WHT	16 WHT	16 WHT	24 RED	24 RED
55	SHLD	SHLD	SHLD	24 BLU	24 BLU
61	25 GRN/BLK/WHT	*	17 BLK	25 RED	25 RED
62	SHLD	*	17 WHT	25 BRN	25 BRN
63	26 ORN/BLK/WHT	*	SHLD	26 RED	26 RED
64	SHLD	*	18 BLK	26 GRA	26 GRA
60	27 BLU/BLK/WHT	*	18 WHT	27 RED	27 RED
53	SHLD	*	SHLD	27 YEL	27 YEL
45	28 BLK/RED/GRN	*	19 BLK	28 RED	28 RED
28	SHLD	*	19 WHT	28 PUR	28 PUR
19	29 WHT/RED/GRN	*	SHLD	29 RED	29 RED
11	SHLD	*	***SHLD	29 TAN	29 TAN
5	30 RED/BLK/GRN	*	*	30 RED	30 RED
12	SHLD	*	*	30 PNK	30 PNK
20	*	*	*	**SHLD	31 GRN
37	*	*	*	*	31 ORN
46	*	*	*	*	*
54	*	*	*	*	*

** (SHLD FOR 2U-30 ONLY)

*** (SHLD FOR 2SUS-19 ONLY)

Wiring information on insert 23-64 (2)

MIL-STD-1683A(SH)

8 November 1982

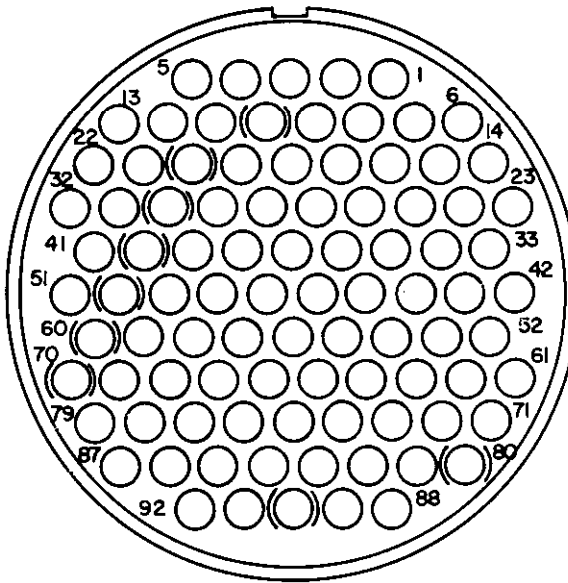
WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>	<u>TTRS-8</u>	<u>TTRS-12</u>	<u>1SWU-20</u>
23-64	1S75MU-8	TTRS-10		
33	1 BLK	1 BLK	1 BLK	1 BLK
24	SHLD	1 WHT	1 WHT	SHLD
32	2 WHT	SHLD	SHLD	2 WHT
41	SHLD	2 BLK	2 BLK	SHLD
42	3 RED	2 WHT	2 WHT	3 RED
34	SHLD	SHLD	SHLD	SHLD
25	4 GRN	3 BLK	3 BLK	4 GRN
16	SHLD	3 WHT	3 WHT	SHLD
15	5 ORN	SHLD	SHLD	5 ORN
23	SHLD	4 BLK	4 BLK	SHLD
31	6 BLU	4 WHT	4 WHT	6 BLU
40	SHLD	SHLD	SHLD	SHLD
49	7 WHT/BLK	5 BLK	5 BLK	7 WHT/BLK
50	SHLD	5 WHT	5 WHT	SHLD
51	8 RED/BLK	SHLD	SHLD	8 RED/BLK
43	SHLD	6 BLK	6 BLK	SHLD
35	*	6 WHT	6 WHT	9 GRN/BLK
26	*	SHLD	SHLD	SHLD
17	*	7 BLK	7 BLK	10 ORN/BLK
9	*	7 WHT	7 WHT	SHLD
8	*	SHLD	SHLD	11 BLU/BLK
7	*	8 BLK	8 BLK	SHLD
14	*	8 WHT	8 WHT	12 BLK/WHT
22	*	SHLD	SHLD	SHLD
30	*	**9 BLK	9 BLK	13 RED/WHT
39	*	**9 WHT	9 WHT	SHLD
48	*	**10 BLK	10 BLK	14 GRN/WHT
56	*	**10 WHT	10 WHT	SHLD
57	*	**SHLD	SHLD	15 BLU/WHT
58	*	*	11 BLK	SHLD
59	*	*	11 WHT	16 BLK/RED
52	*	*	SHLD	SHLD
44	*	*	12 BLK	17 WHT/RED
36	*	*	12 WHT	SHLD
27	*	*	SHLD	18 ORN/RED
18	*	*	*	SHLD
10	*	*	*	19 BLU/RED
4	*	*	*	SHLD
3	*	*	*	20 RED/GRN
2	*	*	*	SHLD
1	*	*	*	*
6	*	*	*	*
13	*	*	*	*
21	*	*	*	*
29	*	*	*	*
38	*	*	*	*
47	*	*	*	*
55	*	*	*	*
61	*	*	*	*
62	*	*	*	*
63	*	*	*	*
64	*	*	*	*
60	*	*	*	*
53	*	*	*	*
45	*	*	*	*
28	*	*	*	*
19	*	*	*	*
11	*	*	*	*
5	*	*	*	*
12	*	*	*	*
20	*	*	*	*
37	*	*	*	*
46	*	*	*	*
54	*	*	*	*

** (FOR TTRS-10 ONLY)

Wiring information on insert 23-64 (3)

MIL-STD-1683A(SH)
8 November 1982



Insert: 25-92

Contacts

Qty: 92

Size: 20

CABLE		CONDUCTORS/SHIELD QTY	DIAMETER	MIL-C -915/	PART NUMBER ORDERING INFORMATION		
TYPE	O.D.						
TPNW-40	0.750	80	0.030	72	M28840/26CG1A	B	* 1
TTSU-40	1.200	80	.038	37		D	
1SAU-44	.990	88	.039	57		B	
1S50MU-40	1.185	80	.033	42		C	
1S50MU-40	1.060	80	.033	42R		C	
1S50MUS-40	1.180	81	.033	42R		C	
2AU-40	1.370	81	.033	41		D	
2AUS-40	1.400	82	.033	41R		D	
2SU-24	1.210	72	.033	45		D	
2SU-24	1.040	72	.033	45R		C	
2SU-30	1.280	90	.033	45		D	
2SU-30	1.100	90	.033	45R		C	
2SUS-24	1.075	73	.033	45R		B	
2SUS-30	1.135	91	.033	45R		B	
2SWAU-24	1.210	72	.033	46		D	
2SWAU-30	1.280	90	.033	46		D	
2U-45	.870	91	.020	63		A	
2US-42	.800	86	.020	63R		A	
2UW-42	.790	85	.020	78		A	
2WAU-40	1.370	81	.033	64	M28840/26CG1	D	B * 1

Wiring information on pages 67 through 69

Information on insert 25-92

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>					
25-92	1S50MU-40	1SAU-44	2SWAU-24 2SU-24	2SWAU-30 2SU-30	2WAU-40 2AU-40 TTSU-40 TPNW-40	2UW-42 2U-45
47	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
37	SHLD	SHLD	1 WHT	1 WHT	1 WHT	1 WHT
46	2 WHT	2 WHT	SHLD	SHLD	2 BLK	2 BLK
56	SHLD	SHLD	2 BLK	2 BLK	2 RED	2 RED
57	3 RED	3 RED	2 WHT	2 WHT	3 BLK	3 BLK
48	SHLD	SHLD	SHLD	SHLD	3 GRN	3 GRN
38	4 GRN	4 GRN	3 BLK	3 BLK	4 BLK	4 BLK
28	SHLD	SHLD	3 WHT	3 WHT	4 ORN	4 ORN
27	5 ORN	5 ORN	SHLD	SHLD	5 BLK	5 BLK
36	SHLD	SHLD	4 BLK	4 BLK	5 BLU	5 BLU
45	6 BLU	6 BLU	4 WHT	4 WHT	6 BLK	6 BLK
55	SHLD	SHLD	SHLD	SHLD	6 BRN	6 BRN
65	7 WHT/BLK	7 WHT/BLK	5 BLK	5 BLK	7 BLK	7 BLK
66	SHLD	SHLD	5 WHT	5 WHT	7 GRA	7 GRA
67	8 RED/BLK	8 RED/BLK	SHLD	SHLD	8 BLK	8 BLK
58	SHLD	SHLD	6 BLK	6 BLK	8 YEL	8 YEL
49	9 GRN/BLK	9 GRN/BLK	6 WHT	6 WHT	9 BLK	9 BLK
39	SHLD	SHLD	SHLD	SHLD	9 PUR	9 PUR
29	10 ORN/BLK	10 ORN/BLK	7 BLK	7 BLK	10 BLK	10 BLK
19	SHLD	SHLD	7 WHT	7 WHT	10 TAN	10 TAN
18	11 BLU/BLK	11 BLU/BLK	SHLD	SHLD	11 BLK	11 BLK
17	SHLD	SHLD	8 BLK	8 BLK	11 PNK	11 PNK
26	12 BLK/WHT	12 BLK/WHT	8 WHT	8 WHT	12 WHT	12 WHT
35	SHLD	SHLD	SHLD	SHLD	12 RED	12 RED
44	13 RED/WHT	13 RED/WHT	9 BLK	9 BLK	13 WHT	13 WHT
54	SHLD	SHLD	9 WHT	9 WHT	13 GRN	13 GRN
64	14 GRN/WHT	14 GRN/WHT	SHLD	SHLD	14 WHT	14 WHT
74	SHLD	SHLD	10 BLK	10 BLK	14 ORN	14 ORN
75	15 BLU/WHT	15 BLU/WHT	10 WHT	10 WHT	15 WHT	15 WHT
76	SHLD	SHLD	SHLD	SHLD	15 BLU	15 BLU
77	16 BLK/RED	16 BLK/RED	11 BLK	11 BLK	16 WHT	16 WHT
68	SHLD	SHLD	11 WHT	11 WHT	16 BRN	16 BRN
59	17 WHT/RED	17 WHT/RED	SHLD	SHLD	17 WHT	17 WHT
50	SHLD	SHLD	12 BLK	12 BLK	17 GRA	17 GRA
40	18 ORN/RED	18 ORN/RED	12 WHT	12 WHT	18 WHT	18 WHT
30	SHLD	SHLD	SHLD	SHLD	18 YEL	18 YEL
20	19 BLU/RED	19 BLU/RED	13 BLK	13 BLK	19 WHT	19 WHT
11	SHLD	SHLD	13 WHT	13 WHT	19 PUR	19 PUR
10	20 RED/GRN	20 RED/GRN	SHLD	SHLD	20 WHT	20 WHT
9	SHLD	SHLD	14 BLK	14 BLK	20 TAN	20 TAN
8	21 ORN/GRN	21 ORN/GRN	14 WHT	14 WHT	21 WHT	21 WHT
16	SHLD	SHLD	SHLD	SHLD	21 PNK	21 PNK
25	22 BLK/WHT/RED	22 BLK/WHT/RED	15 BLK	15 BLK	22 RED	22 RED
34	SHLD	SHLD	15 WHT	15 WHT	22 GRN	22 GRN
43	23 WHT/BLK/RED	23 WHT/BLK/RED	SHLD	SHLD	23 RED	23 RED
53	SHLD	SHLD	16 BLK	16 BLK	23 ORN	23 ORN
63	24 RED/BLK/WHT	24 RED/BLK/WHT	16 WHT	16 WHT	24 RED	24 RED
73	SHLD	SHLD	SHLD	SHLD	24 BLU	24 BLU
82	25 GRN/BLK/WHT	25 GRN/BLK/WHT	17 BLK	17 BLK	25 RED	25 RED
83	SHLD	SHLD	17 WHT	17 WHT	25 BRN	25 BRN
84	26 ORN/BLK/WHT	26 ORN/BLK/WHT	SHLD	SHLD	26 RED	26 RED
85	SHLD	SHLD	18 BLK	18 BLK	26 GRA	26 GRA
86	27 BLU/BLK/WHT	27 BLU/BLK/WHT	18 WHT	18 WHT	27 RED	27 RED
78	SHLD	SHLD	SHLD	SHLD	27 YEL	27 YEL

Wiring information on insert 25-92 (1)

MIL-STD-1683A(SH)

8 November 1982

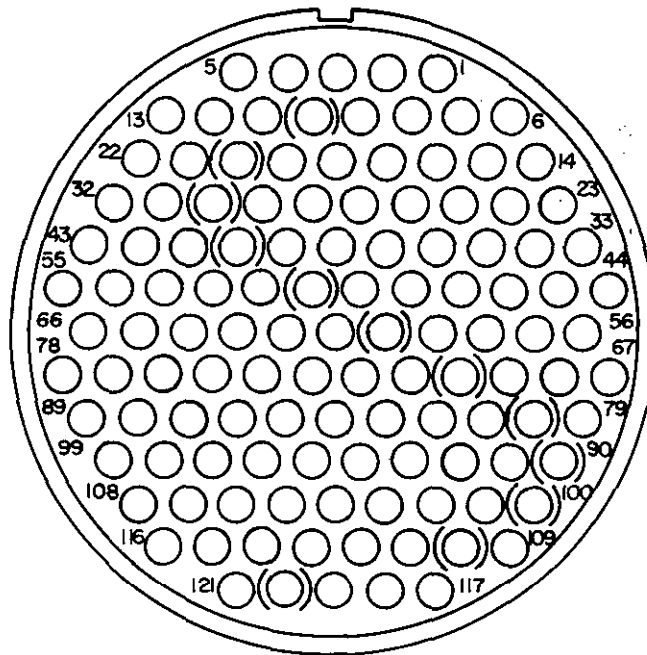
WIRING INFORMATION - (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>					
25-92	1S50MU-40	1SAU-44	2SWAU-24 2SU-24	2SWAU-30 2SU-30	2WAU-40 2AU-40 TTSU-40 TPNW-40	2UW-42 2U-45
69	28 BLK/RED/GRN	28 BLK/RED/GRN	19 BLK	19 BLK	28 RED	28 RED
60	SHLD	SHLD	19 WHT	19 WHT	28 PUR	28 PUR
51	29 WHT/RED/GRN	29 WHT/RED/GRN	SHLD	SHLD	29 RED	29 RED
41	SHLD	SHLD	20 BLK	20 BLK	29 TAN	29 TAN
31	30 RED/BLK/GRN	30 RED/BLK/GRN	20 WHT	20 WHT	30 RED	30 RED
21	SHLD	SHLD	SHLD	SHLD	30 PNK	30 PNK
12	31 GRN/BLK/ORN	31 GRN/BLK/ORN	21 BLK	21 BLK	31 GRN	31 GRN
5	SHLD	SHLD	21 WHT	21 WHT	31 ORN	31 ORN
4	32 ORN/BLK/GRN	32 ORN/BLK/GRN	SHLD	SHLD	32 GRN	32 GRN
3	SHLD	SHLD	22 BLK	22 BLK	32 BLU	32 BLU
2	33 BLU/WHT/ORN	33 BLU/WHT/ORN	22 WHT	22 WHT	33 GRN	33 GRN
1	SHLD	SHLD	SHLD	SHLD	33 BRN	33 BRN
7	34 BLK/WHT/ORN	34 BLK/WHT/ORN	23 BLK	23 BLK	34 GRN	34 GRN
15	SHLD	SHLD	23 WHT	23 WHT	34 GRN	34 GRN
24	35 WHT/RED/ORN	35 WHT/RED/ORN	SHLD	SHLD	35 GRN	35 GRN
33	SHLD	SHLD	24 BLK	24 BLK	35 YEL	35 YEL
40	36 ORN/WHT/BLU	36 ORN/WHT/BLU	24 WHT	24 WHT	36 GRN	36 GRN
52	SHLD	SHLD	SHLD	SHLD	36 PUR	36 PUR
62	37 WHT/RED/BLU	37 WHT/RED/BLU	*	25 BLK	37 GRN	37 GRN
72	SHLD	SHLD	*	25 WHT	37 TAN	37 TAN
81	38 BRN	38 BRN	*	SHLD	38 GRN	38 GRN
88	SHLD	SHLD	*	26 BLK	38 PNK	38 PNK
89	39 BRN/BLK	39 BRN/BLK	*	26 WHT	39 ORN	39 ORN
90	SHLD	SHLD	*	SHLD	39 BLU	39 BLU
91	40 BRN/WHT	40 BRN/WHT	*	27 BLK	40 ORN	40 ORN
92	SHLD	SHLD	*	27 WHT	40 BRN	40 BRN
87	*	41 BRN/RED	*	SHLD	*	41 ORN
79	*	SHLD	*	28 BLK	*	41 GRA
70	*	42 BRN/GRN	*	28 WHT	*	42 ORN
32	*	SHLD	*	SHLD	*	42 YEL
22	*	43 BRN/ORN	*	29 BLK	*	**43 ORN
13	*	SHLD	*	29 WHT	*	**43 PUR
6	*	44 BRN/BLU	*	SHLD	*	**44 ORN
14	*	SHLD	*	30 BLK	*	**44 TAN
23	*	*	*	30 WHT	*	**45 ORN
61	*	*	*	SHLD	*	**45 PNK
71	*	*	*	*	*	**SHLD
80	*	*	*	*	*	

** (FOR 2U-45 ONLY)

Wiring information on insert 25-92 (2)

MIL-STD-1683A(SH)
8 November 1982



Insert: 29-121

Contacts

Qty: 121

Size: 20

CABLE		CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION
TYPE	O.D.	QTY	DIAMETER		
1SU-60	1.310	120	.039	59	
2SU-37	1.380	111	.033	45	
2SU-37	1.240	111	.033	45R	
2SUS-37	1.275	112	.033	45R	
2SWAU-37	1.380	111	.033	46	
2U-60	.960	121	.020	63	

Wiring information on pages 70 through 71

Information on insert 29-121

MIL-STD-1683A(SH)

8 November 1982

WIRING INFORMATION

<u>INSERT</u>	<u>CABLE TYPE</u>		
29-121	1SU-60	2SWAU-37 2SU-37	2U-60
61	1 BLK	1 BLK	1 BLK
49	SHLD	1 WHT	1 WHT
60	2 WHT	SHLD	2 BLK
72	SHLD	2 BLK	2 RED
73	3 RED	2 WHT	3 BLK
62	SHLD	SHLD	3 GRN
50	4 GRN	3 BLK	4 BLK
38	SHLD	3 WHT	4 ORN
37	5 ORN	SHLD	5 BLK
48	SHLD	4 BLK	5 BLU
59	6 BLU	4 WHT	6 BLK
71	SHLD	SHLD	6 BRN
83	7 WHT/BLK	5 BLK	7 BLK
84	SHLD	5 WHT	7 GRA
85	8 RED/BLK	SHLD	8 BLK
74	SHLD	6 BLK	8 YEL
63	9 GRN/BLK	6 WHT	9 BLK
51	SHLD	SHLD	9 PUR
39	10 ORN/BLK	7 BLK	10 BLK
28	SHLD	7 WHT	10 TAN
27	11 BLU/BLK	SHLD	11 BLK
26	SHLD	8 BLK	11 PNK
36	12 BLK/WHT	8 WHT	12 WHT
47	SHLD	SHLD	12 RED
58	13 RED/WHT	9 BLK	13 WHT
70	SHLD	9 WHT	13 GRN
82	14 GRN/WHT	SHLD	14 WHT
93	SHLD	10 BLK	14 ORN
94	15 BLU/WHT	10 WHT	15 WHT
95	SHLD	SHLD	15 BLU
96	16 BLK/RED	11 BLK	16 WHT
86	SHLD	11 WHT	16 BRN
75	17 WHT/RED	SHLD	17 WHT
64	SHLD	12 BLK	17 GRA
52	18 ORN/RED	12 WHT	18 WHT
40	SHLD	SHLD	18 YEL
29	19 BLU/RED	13 BLK	19 WHT
19	SHLD	13 WHT	19 PUR
18	20 RED/GRN	SHLD	20 WHT
17	SHLD	14 BLK	20 TAN
16	21 ORN/GRN	14 WHT	21 WHT
25	SHLD	SHLD	21 PNK
35	22 BLK/WHT/RED	15 BLK	22 RED
46	SHLD	15 WHT	22 GRN
57	23 WHT/BLK/RED	SHLD	23 RED
69	SHLD	16 BLK	23 ORN
81	24 RED/BLK/WHT	16 WHT	24 RED
92	SHLD	SHLD	24 BLU
102	25 GRN/BLK/WHT	17 BLK	25 RED
103	SHLD	17 WHT	25 BRN
104	26 ORN/BLK/WHT	SHLD	26 RED
105	SHLD	18 BLK	26 GRA
106	27 BLU/BLK/WHT	18 WHT	27 RED
97	SHLD	SHLD	27 YEL
87	28 BLK/RED/GRN	19 BLK	28 RED
76	SHLD	19 WHT	28 PUR
65	29 WHT/RED/GRN	SHLD	29 RED
53	SHLD	20 BLK	29 TAN
41	30 RED/BLK/GRN	20 WHT	30 RED
30	SHLD	SHLD	30 PNK

Wiring information on insert 29-121 (1)

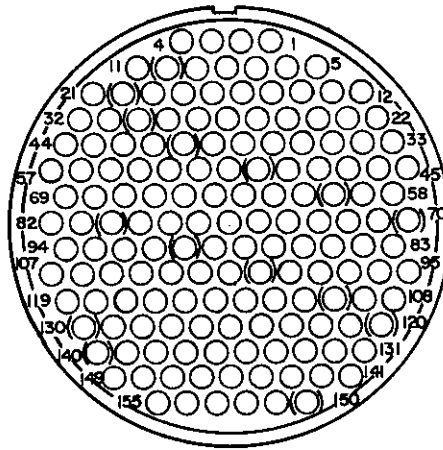
MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION - (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>		
29-121	1SU-60	2SWAU-37 2SU-37	2U-60
20	31 GRN/BLK/ORN	21 BLK	31 GRN
11	SHLD	21 WHT	31 ORN
10	32 ORN/BLK/GRN	SHLD	32 GRN
9	SHLD	22 BLK	32 BLU
8	33 BLU/WHT/ORN	22 WHT	33 GRN
7	SHLD	SHLD	33 BRN
15	34 BLK/WHT/ORN	23 BLK	34 GRN
24	SHLD	23 WHT	34 GRA
34	35 WHT/RED/ORN	SHLD	35 GRN
45	SHLD	24 BLK	35 YEL
56	36 ORN/WHT/BLU	24 WHT	36 GRN
68	SHLD	SHLD	36 PUR
80	37 WHT/RED/BLU	25 BLK	37 GRN
91	SHLD	25 WHT	37 TAN
101	38 BRN	SHLD	38 GRN
110	SHLD	26 BLK	38 PNK
111	39 BRN/BLK	26 WHT	39 ORN
112	SHLD	SHLD	39 BLU
113	40 BRN/WHT	27 BLK	40 ORN
114	SHLD	27 WHT	40 BRN
115	41 BRN/RED	SHLD	41 ORN
107	SHLD	28 BLK	41 GRA
98	42 BRN/GRN	28 WHT	42 ORN
88	SHLD	SHLD	42 YEL
77	43 BRN/ORN	29 BLK	43 ORN
66	SHLD	29 WHT	43 PUR
54	44 BRN/BLU	SHLD	44 ORN
42	SHLD	30 BLK	44 TAN
31	45 WHT/BLK/BLU	30 WHT	45 ORN
21	SHLD	SHLD	45 PNK
12	46 RED/WHT/BLU	31 BLK	46 BLU
5	SHLD	31 WHT	46 BRN
4	47 GRN/ORN/RED	SHLD	47 BLU
3	SHLD	32 BLK	47 GRA
2	48 ORN/RED/BLU	32 WHT	48 BLU
1	SHLD	SHLD	48 YEL
6	49 BLU/RED/ORN	33 BLK	49 BLU
14	SHLD	33 WHT	49 PUR
23	50 BLK/ORN/RED	SHLD	50 BLU
33	SHLD	34 BLK	50 TAN
44	51 WHT/BLK/ORN	34 WHT	51 BLU
67	SHLD	SHLD	51 PNK
79	52 RED/ORN/BLK	35 BLK	52 BRN
90	SHLD	35 WHT	52 GRA
100	53 GRN/RED/BLU	SHLD	53 BRN
109	SHLD	36 BLK	53 YEL
117	54 ORN/BLK/BLU	36 WHT	54 BRN
118	SHLD	SHLD	54 PUR
119	55 BLU/BLK/ORN	37 BLK	55 BRN
120	SHLD	37 WHT	55 TAN
121	56 BLK/ORN/GRN	SHLD	56 BRN
116	SHLD	*	56 PNK
108	57 WHT/ORN/GRN	*	57 GRA
99	SHLD	*	57 YEL
89	58 RED/ORN/GRN	*	58 GRA
78	SHLD	*	58 PUR
55	59 GRN/BLK/BLU	*	59 GRA
43	SHLD	*	59 TAN
32	60 ORN/GRN/BLU	*	60 GRA
22	SHLD	*	60 PNK
13	*	*	SHLD

Wiring information on insert 29-121 (2)

MIL-STD-1683A(SH)
8 November 1982



Insert: 33-155

Contacts

Qty: 155
Size: 20

CABLE TYPE	O.D.	CONDUCTORS/SHIELD		MIL-C -915/	PART NUMBER ORDERING INFORMATION
		QTY	DIAMETER		
1SMWU-70	1.550	140	.033	65	B B B B B B C
1S50MU-70	1.555	140	.033	42	
1S50MU-70	1.440	140	.033	42R	
1S50MUS-70	1.620	141	.033	42R	
2SU-44	1.550	132	.033	45	
2SU-44	1.440	132	.033	45R	
2SUS-44	1.475	133	.033	45R	
2SWAU-44	1.550	132	.033	46	
TTSU-50	1.400	100	.038	37	
TTSU-60	1.450	120	.038	37	
					B B B B B C

Wiring information on pages 73 through 75

Information on insert 33-155

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION

INSERT	CABLE TYPE	TTSU-50	2SWAU-44 2SU-44 2SUS-44	TTSU-60	
33-155	1SWU-70 1S50MU-70 1S50MUS-70				
76	1 BLK	1 BLK	1 BLK	1 BLK	1 BLK
63	SHLD	1 WHT	1 WHT	1 WHT	1 PUR
75	2 WHT	2 BLK	SHLD	2 BLK	2 WHT
88	SHLD	2 RED	2 BLK	2 RED	2 PUR
89	3 RED	3 BLK	2 WHT	3 BLK	3 RED
77	SHLD	3 GRN	SHLD	3 GRN	3 PUR
64	4 GRN	4 BLK	3 BLK	4 BLK	4 GRN
51	SHLD	4 ORN	3 WHT	4 ORN	4 PUR
50	5 ORN	5 BLK	SHLD	5 BLK	5 ORN
62	SHLD	5 BLU	4 BLK	5 BLU	5 PUR
74	6 BLU	6 BLK	4 WHT	6 BLK	6 BLU
87	SHLD	6 BRN	SHLD	6 BRN	6 PUR
100	7 WHT/BLK	7 BLK	5 BLK	7 BLK	7 WHT/BLK
101	SHLD	7 GRA	5 WHT	7 GRA	7 PUR
102	8 RED/BLK	8 BLK	SHLD	8 BLK	8 RED/BLK
90	SHLD	8 YEL	6 BLK	8 YEL	8 PUR
78	9 GRN/BLK	9 BLK	6 WHT	9 BLK	9 GRN/BLK
65	SHLD	9 PUR	SHLD	9 PUR	9 PUR
52	10 ORN/BLK	10 BLK	7 BLK	10 BLK	10 ORN/BLK
39	SHLD	10 TAN	7 WHT	10 TAN	10 PUR
38	11 BLU/BLK	11 BLK	SHLD	11 BLK	11 BLU/BLK
37	SHLD	11 PNK	8 BLK	11 PNK	11 PUR
49	12 BLK/WHT	12 WHT	8 WHT	12 WHT	12 BLK/WHT
61	SHLD	12 RED	SHLD	12 RED	12 PUR
73	13 RED/WHT	13 WHT	9 BLK	13 WHT	13 RED/WHT
86	SHLD	13 GRN	9 WHT	13 GRN	13 PUR
99	14 GRN/WHT	14 WHT	SHLD	14 WHT	14 GRN/WHT
112	SHLD	14 ORN	10 BLK	14 ORN	14 PUR
113	15 BLU/WHT	15 WHT	10 WHT	15 WHT	15 BLU/WHT
114	SHLD	15 BLU	SHLD	15 BLU	15 PUR
115	16 BLK/RED	16 WHT	11 BLK	16 WHT	16 BLK/RED
103	SHLD	16 BRN	11 WHT	16 BRN	16 PUR
91	17 WHT/RED	17 WHT	SHLD	17 WHT	17 WHT/RED
79	SHLD	17 GRA	12 BLK	17 GRA	17 PUR
66	18 ORN/RED	18 WHT	12 WHT	18 WHT	18 ORN/RED
53	SHLD	18 YEL	SHLD	18 YEL	18 PUR
40	19 BLU/RED	19 WHT	13 BLK	19 WHT	19 BLU/RED
28	SHLD	19 PUR	13 WHT	19 PUR	19 PUR
27	20 RED/GRN	20 WHT	SHLD	20 WHT	20 RED/GRN
26	SHLD	20 TAN	14 BLK	20 TAN	20 PUR
25	21 ORN/GRN	21 WHT	14 WHT	21 WHT	21 ORN/GRN
36	SHLD	21 PNK	SHLD	21 PNK	21 PUR
48	22 BLK/WHT/RED	22 RED	15 BLK	22 RED	22 BLK/WHT/RED
60	SHLD	22 GRN	15 WHT	22 GRN	22 PUR
72	23 WHT/BLK/RED	23 RED	SHLD	23 RED	23 WHT/BLK/RED
85	SHLD	23 ORN	16 BLK	23 ORN	23 PUR
98	24 RED/BLK/WHT	24 RED	16 WHT	24 RED	24 RED/BLK/WHT
111	SHLD	24 BLU	SHLD	24 BLU	24 PUR
123	25 GRN/BLK/WHT	25 RED	17 BLK	25 RED	25 GRN/BLK/WHT
124	SHLD	25 BRN	17 WHT	25 BRN	25 PUR
125	26 ORN/BLK/WHT	26 RED	SHLD	26 RED	26 ORN/BLK/WHT
126	SHLD	26 GRA	18 BLK	26 GRA	26 PUR
127	27 BLU/BLK/WHT	27 RED	18 WHT	27 RED	27 BLU/BLK/WHT
116	SHLD	27 YEL	SHLD	27 YEL	27 PUR
104	28 BLK/RED/GRN	28 RED	19 BLK	28 RED	28 BLK/RED/GRN
92	SHLD	28 PUR	19 WHT	28 PUR	28 PUR
80	29 WHT/RED/GRN	29 RED	SHLD	29 RED	29 WHT/RED/GRN
67	SHLD	29 TAN	20 BLK	29 TAN	29 PUR
54	30 RED/BLK/GRN	30 RED	20 WHT	30 RED	30 RED/BLK/GRN
41	SHLD	30 PNK	SHLD	30 PNK	30 PUR

Wiring information on insert 33-155 (1)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION - (Continued)

INSERT	CABLE TYPE				
33-155	ISWU-70	TTSU-50	2SWAU-44	TTSU-60	
	1S50MU-70		2SU-44		
	1S50MUS-70		2SUS-44		
29	31 GRN/BLK/ORN	31 GRN	21 BLK	31 GRN	31 GRN/BLK/ORN
18	SHLD	31 ORN	21 WHT	31 ORN	31 PUR
17	32 ORN/BLK/GRN	32 GRN	SHLD	32 GRN	32 ORN/BLK/GRN
16	SHLD	32 BLU	22 BLK	32 BLU	32 PUR
15	33 BLU/WHT/ORN	33 GRN	22 WHT	33 GRN	33 BLU/WHT/ORN
14	SHLD	33 BRN	SHLD	33 BRN	33 PUR
24	34 BLK/WHT/ORN	34 GRN	23 BLK	34 GRN	34 BLK/WHT/ORN
35	SHLD	34 GRA	23 WHT	34 GRA	34 PUR
47	35 WHT/RED/ORN	35 GRN	SHLD	35 GRN	35 WHT/RED/ORN
59	SHLD	35 YEL	24 BLK	35 YEL	35 PUR
71	36 ORN/WHT/BLU	36 GRN	24 WHT	36 GRN	36 ORN/WHT/BLU
84	SHLD	36 PUR	SHLD	36 PUR	36 PUR
97	37 WHT/RED/BLU	37 GRN	25 BLK	37 GRN	37 WHT/RED/BLU
110	SHLD	37 TAN	25 WHT	37 TAN	37 PUR
122	38 BRN	38 GRN	SHLD	38 GRN	38 BRN
133	SHLD	38 PNK	26 BLK	38 PNK	38 PUR
134	39 BRN/BLK	39 ORN	26 WHT	39 ORN	39 BRN/BLK
135	SHLD	39 BLU	SHLD	39 BLU	39 PUR
136	40 BRN/WHT	40 ORN	27 BLK	40 ORN	40 BRN/WHT
137	SHLD	40 BRN	27 WHT	40 BRN	40 PUR
138	41 BRN/RED	41 ORN	SHLD	41 ORN	41 BRN/RED
128	SHLD	41 GRA	28 BLK	41 GRA	41 PUR
117	42 BRN/GRN	42 ORN	28 WHT	42 ORN	42 BRN/GRN
105	SHLD	42 YEL	SHLD	42 YEL	42 PUR
83	43 BRN/ORN	43 ORN	29 BLK	43 ORN	43 BRN/ORN
81	SHLD	43 PUR	29 WHT	43 PUR	43 PUR
68	44 BRN/BLU	44 ORN	SHLD	44 ORN	44 BRN/BLU
55	SHLD	44 TAN	30 BLK	44 TAN	44 PUR
42	45 WHT/BLK/BLU	45 ORN	30 WHT	45 ORN	45 WHT/BLK/BLU
30	SHLD	45 PNK	SHLD	45 PNK	45 PUR
19	46 RED/WHT/BLU	46 BLU	31 BLK	46 BLU	46 RED/WHT/BLU
10	SHLD	46 BRN	31 WHT	46 BRN	46 PUR
9	47 GRN/ORN/RED	47 BLU	SHLD	47 BLU	47 GRN/ORN/RED
8	SHLD	47 GRA	32 BLK	47 GRA	47 PUR
7	48 ORN/RED/BLU	48 BLU	32 WHT	48 BLU	48 ORN/RED/BLU
6	SHLD	48 YEL	SHLD	48 YEL	48 PUR
5	49 BLU/RED/ORN	49 BLU	33 BLK	49 BLU	49 BLU/RED/ORN
13	SHLD	49 PUR	33 WHT	49 PUR	49 PUR
23	50 BLK/ORN/RED	50 BLU	SHLD	50 BLU	50 BLK/ORN/RED
34	SHLD	50 TAN	34 BLK	50 TAN	50 PUR
46	51 WHT/BLK/ORN	*	34 WHT	51 BLU	51 WHT/BLK/ORN
58	SHLD	*	SHLD	51 PNK	51 PUR
70	52 RED/ORN/BLK	*	35 BLK	52 BRN	52 RED/ORN/BLK
83	SHLD	*	35 WHT	52 GRA	52 PUR
96	53 GRN/RED/BLU	*	SHLD	53 BRN	53 GRN/RED/BLU
109	SHLD	*	36 BLK	53 YEL	53 PUR
121	54 ORN/BLK/BLU	*	36 WHT	54 BRN	54 ORN/BLK/BLU
132	SHLD	*	SHLD	54 PUR	54 PUR
142	55 BLU/BLK/ORN	*	37 BLK	55 BRN	55 BLU/BLK/ORN
143	SHLD	*	37 WHT	55 TAN	55 PUR
144	56 BLK/ORN/GRN	*	SHLD	56 BRN	56 BLK/ORN/GRN
145	SHLD	*	38 BLK	56 PNK	56 PUR
146	57 WHT/ORN/GRN	*	38 WHT	57 GRA	57 WHT/ORN/GRN
147	SHLD	*	SHLD	57 YEL	57 PUR
148	58 RED/ORN/GRN	*	39 BLK	58 GRA	58 RED/ORN/GRN
139	SHLD	*	39 WHT	58 PUR	58 PUR
129	59 GRN/BLK/BLU	*	SHLD	59 GRA	59 GRN/BLK/BLU
118	SHLD	*	40 BLK	59 TAN	59 PUR
106	60 ORN/GRN/BLU	*	40 WHT	60 GRA	60 ORN/GRN/BLU
93	SHLD	*	SHLD	60 PNK	60 PUR

Wiring information on insert 33-155 (2)

MIL-STD-1683A(SH)
8 November 1982

WIRING INFORMATION - (Continued)

<u>INSERT</u>	<u>CABLE TYPE</u>			
33-155	1SWU-70	TTSU-50	2SWAU-44	TTSU-60
	1S50MU-70		2SU-44	
	1S50MUS-70		2SUS-44	
82	61 BLU/GRN/ORN	*	41 BLK	61 BLU/GRN/ORN
69	SHLD	*	41 WHT	61 PUR
56	62 BLK/RED/BLU	*	SHLD	62 BLK/RED/BLU
43	SHLD	*	42 BLK	62 PUR
31	63 WHT/ORN/BLU	*	42 WHT	63 WHT/ORN/BLU
20	SHLD	*	SHLD	63 PUR
11	64 RED/BLK/BLU	*	43 BLK	64 RED/BLK/BLU
4	SHLD	*	43 WHT	64 PUR
3	65 GRN/ORN/BLU	*	SHLD	65 GRN/ORN/BLU
2	SHLD	*	44 BLK	65 PUR
1	66 ORN/WHT/RED	*	44 WHT	66 ORN/WHT/RED
12	SHLD	*	SHLD	66 PUR
22	67 BLU/WHT/RED	*	***SHLD	67 BLU/WHT/RED
33	SHLD	*	*	67 PUR
45	68 BLK/GRN/BLU	*	*	68 BLK/GRN/BLU
95	SHLD	*	*	68 PUR
108	69 WHT/GRN/BLU	*	*	69 WHT/GRN/BLU
120	SHLD	*	*	69 PUR
131	70 RED/GRN/BLU	*	*	70 RED/GRN/BLU
141	**SHLD	*	*	70 PUR
150	*	*	*	71 GRN/WHT/RED
151	*	*	*	71 PUR
152	*	*	*	72 ORN/RED/BLK
153	*	*	*	72 PUR
154	*	*	*	73 BLU/RED/BLK
155	*	*	*	73 PUR
149	*	*	*	74 BLK/ORN/BLU
140	*	*	*	74 PUR
130	*	*	*	75 RED/BRN/BLU
119	*	*	*	75 PUR
107	*	*	*	76 GRN/RED/BLK
57	*	*	*	76 PUR
44	*	*	*	77 ORN/WHT/GRN
32	*	*	*	77 PUR
21	*	*	*	SHLD
				SHLD (NOTE)

** (FOR 1S50MUS-70 ONLY)

*** (FOR 2SUS-44 ONLY)

Wiring information on insert 33-155 (3)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS: This form is provided to solicit beneficial comments which may improve this document and enhance its use. DoD contractors, government activities, manufacturers, vendors, or other prospective users of the document are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity. A response will be provided to the submitter, when name and address is provided, within 30 days indicating that the 1426 was received and when any appropriate action on it will be completed.

NOTE: This form shall not be used to submit requests for waivers, deviations or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

DOCUMENT IDENTIFIER (Number) AND TITLE

MIL-STD-1683A(SH)

NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER

☐ VENDOR ☐ USER ☐ MANUFACTURER

1. ☐ HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? ☐ IS ANY PART OF IT TOO RIGID, RESTRICTIVE, LOOSE OR AMBIGUOUS? PLEASE EXPLAIN BELOW.

A. GIVE PARAGRAPH NUMBER AND WORDING

B. RECOMMENDED WORDING CHANGE

C. REASON FOR RECOMMENDED CHANGE(S)

2. REMARKS

SUBMITTED BY (Printed or typed name and address — Optional)

TELEPHONE NO.

DATE

DD FORM 1426
1 OCT 76

EDITION OF 1 JAN 72 WILL BE USED UNTIL EXHAUSTED.

FOLD

DEPARTMENT OF THE NAVY



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

BUSINESS REPLY MAIL

FIRST CLASS

PERMIT NO. 12503

WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE NAVY

COMMANDER
NAVAL SEA SYSTEMS COMMAND (SEA 55Z3)
DEPARTMENT OF THE NAVY
WASHINGTON, DC 20362



FOLD