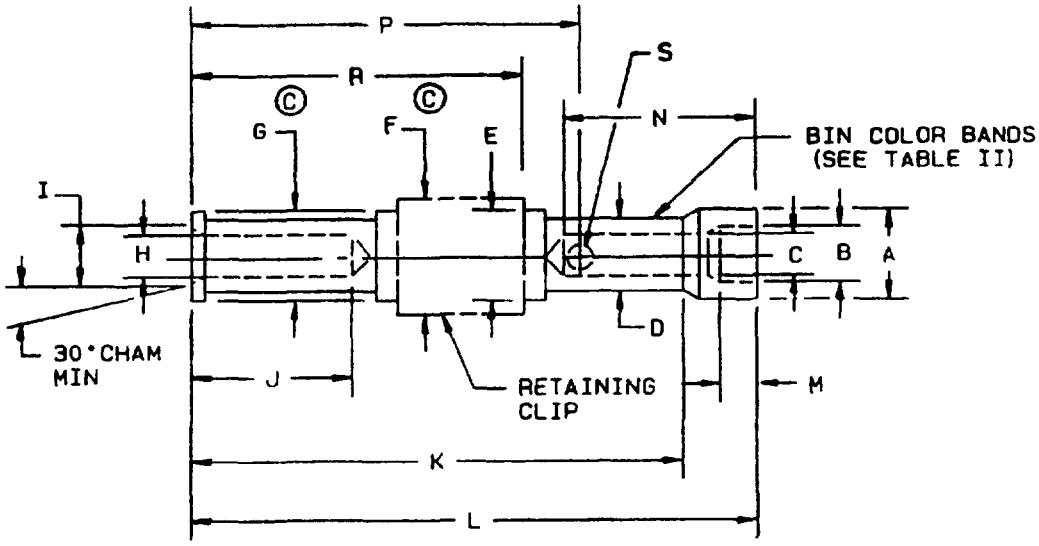
MILITARY SPECIFICATION SHEET

CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-C-28748/4 AND MIL-C-28748/14 CONNECTORS)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

(C) The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation MIL-C-39029



NOTES
1 Dimensions are in inches
2 Metric equivalents are given for general information only
3 Dimensions shown apply after plating
4 Wall thickness of any part of contact shall be not less than .010 (0.25 mm)

FIGURE 1 Dimensions and configurations

(C) denotes changes

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(C) TABLE I Dimensions

BIN code	A Dia	B Dia	C Dia	D Dia	E Dia	F Dia	G Dia Max	H Dia Min	I Dia	J	K	L	M	N	P	R	S Dia 1/
274	121 (3 07) 119 (3 02)	070 (1 78) 067 (1 70)	048 (1 22) 044 (1 12)	079 (2 01) 076 (1 93)	119 (3 02) max	135 (3 43) max	101 (2 57)	0415 (1 054)	096 (2.44) 090 (2.29)	312 (7 92) 282 (7 16)	695 (17 65) 675 (17 14)	771 (19.58) 757 (19 23)	075 (1 90) 055 (1 40)	.265 (6 73) 245 (6 22)	545 (13 84) .525 (13.34)	510 (12 95) 490 (12 45)	034 (86) 028 (71)
275	121 (3 07) 119 (3.02)	070 (1 78) 067 (1 70)	048 (1 22) 044 (1 12)	079 (2 01) 076 (1 93)	119 (3 02) max	.135 (3 43) max	101 (2 57)	064 (1.63)	.096 (2 44) .090 (2.29)	312 (7 92) 282 (7 16)	695 (17 65) 675 (17 14)	.771 (19 58) 757 (19 23)	075 (1 90) 055 (1 40)	265 (6 73) .245 (6.22)	.545 (13.84) .525 (13.34)	510 (12 95) 490 (12 45)	034 (86) 028 (71)
276	.121 (3.07) 119 (3 02)	095 (2 41) 092 (2 34)	.070 (1 78) 066 (1 68)	112 (2.84) 109 (2 77)	119 (3 02) max	.135 (3 43) max	101 (2 57)	064 (1 63)	096 (2 44) 090 (2.29)	312 (7 92) .282 (7 16)	695 (17 65) 675 (17 14)	.771 (19.58) .757 (19 23)	.075 (1 90) .055 (1 40)	265 (6.73) 245 (6.22)	.545 (13.84) .525 (13.34)	510 (12 95) 490 (12.45)	034 (86) 028 (71)
441	007 (1 96) 074 (1.88)	057 (1 45) 054 (1 37)	037 (0 94) 034 (0 86)	070 (1 78) 067 (1 70)	077 (1 96) 074 (1 88)	078 (1 98) max	061 (1 55)	032 (.81)	.050 (1 27) 044 (1.12)	195 (4 95) 175 (4 44)	426 (10 82) 406 (10 31)	.464 (11 79) 444 (11 28)	.045 (1 14) 025 (64)	145 (3 68) 125 (3.18)	.350 (8 89) 330 (8 38)	288 (7 32) 268 (6 81)	023 (58) 017 (43)

1/ Hole - one wall locate on axial C_L within ± 008 (20 mm)

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TABLE II Design characteristics

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
274	Red	Violet	Yellow	20	20	A	A
275	Red	Violet	Green	16	20		
276	Red	Violet	Blue	16	16		
441	Yellow	Yellow	Brown	22	22		

TABLE III Tools

BIN code	Basic crimping tool	Positioner	Installing tool	Removal tool
274	M22520/1-01	M22520/1-03 Blue/Red	M81969/18-01	M81969/20-01
275	M22520/1-01	M22520/1-03 Blue/Red	M81969/18-01	M81969/20-01
276	M22520/1-01	M22520/1-03 Blue/Red	M81969/18-01	M81969/20-01
441	M22520/2-01	Buchanan 615695, Daniels K280, or equivalent	M81969/18-02	M81969/20-02

REQUIREMENTS

Dimensions, design characteristics, and configuration See figure 1 and tables I and II

Tools See table III

Vibration: Method 2005 of MIL-STD-1344, test condition II

Shock (specified pulse) Method 2004 of MIL-STD-1344, text condition I

Mating contact See MIL-C-39029/34.

C QPL evaluating activity. Defense Electronics Supply Center (DESC-E), Dayton, OH 45444.

C Part or Identifying Number (PIN) example See table IV

TABLE IV PIN

BIN code	PIN	Supersedes
274	M39029/35-274	MS17804-20-20
275	M39029/35-275	MS17804-16-20
276	M39029/35-276	MS17804-16-16
441	M39029/35-441	M39029/35-22-22

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CONCLUDING MATERIAL

Custodians
Army - CR
Navy - EC
Air Force - 85

Review activities
Army - AR, AT, MI
Navy - AS
Air Force - 11, 99
DLA - ES

User activities
Army - AV, ME
Navy - MC, OS

Preparing activity
Navy - EC

Agent
DLA - ES

(Project 5935-3824)

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