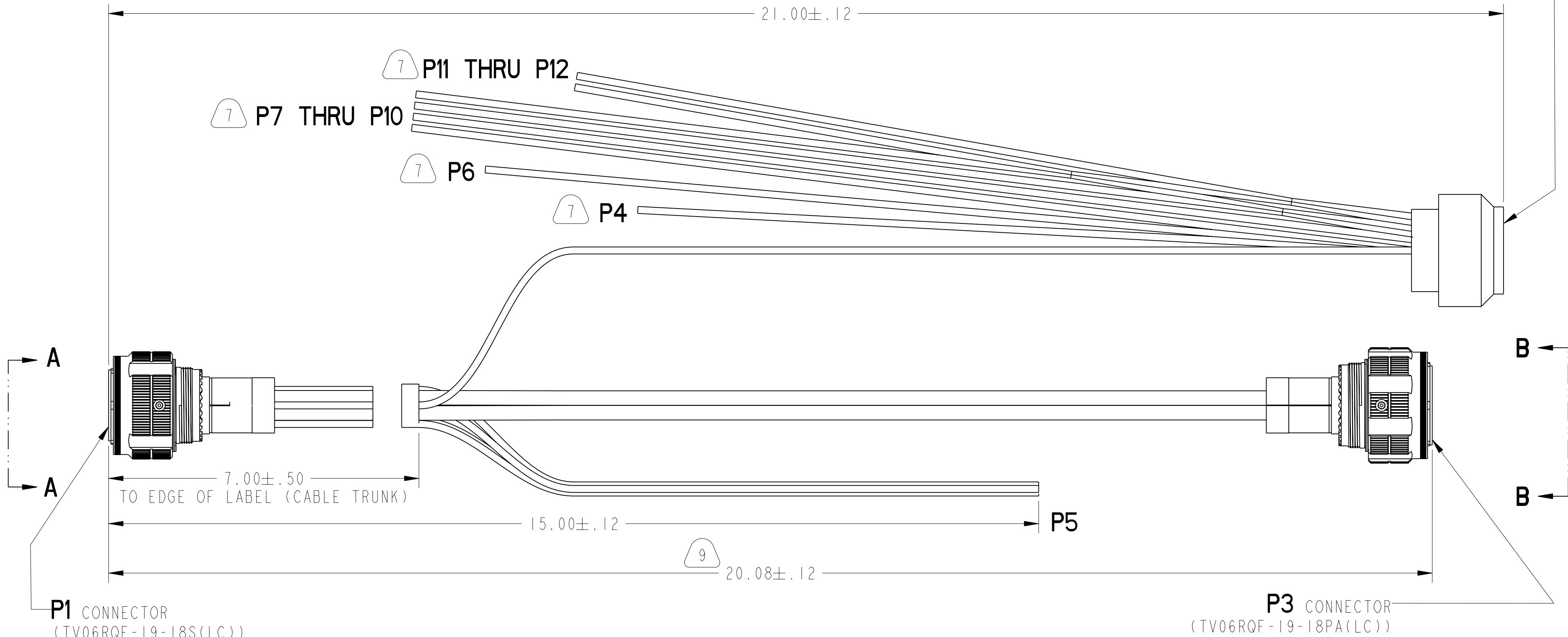


A	INITIAL RELEASE	---
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## CABLE LENGTH TABLE

CABLE	LENGTH FROM P2 INTERFACE	TOLERANCE
P4	15.00	$\pm .12$
P6	36.00	$\pm .50$
P7 THRU P10	48.00	$\pm .50$
P11 THRU P12	24.00	$\pm .50$

P2 CONNECTOR  
(GLENAIR 805-002-16M21-100PC)  
SEALING PLUGS  
4X MS27488-22-2



P1 CONNECTOR  
(TV06RQF-19-18S(LC))

QUADRAX CONTACTS  
4X 21-033471-001

22D CONTACTS  
14X M39029/56-348

SEALING PLUGS  
3X MS27488-22-2

P3 CONNECTOR  
(TV06RQF-19-18PA(LC))

QUADRAX CONTACTS  
4X 21-033470-001

22D CONTACTS  
14X M39029/58-360

SEALING PLUGS  
14X MS27488-22-2

SEE SHEET 7

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PRO/ENGINEER INFORMATION  
Pro/e Model Used:  
CA-628485-C85.ASSEM  
Drawing Name:  
CA-628485-D05

NONE

NEXT ASSEMBLY

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS	POS	QTY	PART NUMBER	DESCRIPTION	NOTE
		APPROVALS	DATE	PARTS LIST		
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = $\pm .0005$ ANGLES = $\pm 2^\circ$ .XXX = $\pm .010$ .XX = $\pm .03$ .X = $\pm .1$	MATERIAL SPEC. NONE	PREPARED BY A. MESCHTER ENGINEER IN CHARGE D. WILDING DESIGN MANAGER D. WILDING DESIGN ACTIVITY GROUP C-2	4-Jan-17	AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, NY. 14838	ASSEMBLY, CABLE, MULTI-BRANCH	
	PROCESS SPEC.	THIRD ANGLE PROJECTION		9-9172-3		
		SIZE	CAGE CODE	DOCUMENT NO.	REV.	
		C	77820	CA-628485-D05	A	
		SCALE: 0.5	REF.	CA-628485-C85	SHEET 1 OF 7	





5 6

## WIRING TABLE

WIRE ID	P1 ID	P2 ID	P3 ID	P4 ID	P5 ID	P6 ID	P7 ID	P8 ID	P9 ID	P10 ID	P11 ID	P12 ID	COLOR-AWG	TWISTED PAIR	NOTE
1	---	1	---	---	---	1	---	---	---	---	---	---	WHITE-24	1	
2	---	2	---	---	---	2	---	---	---	---	---	---	BLUE-24		
3	---	3	---	---	---	3	---	---	---	---	---	---	WHITE-24	2	
4	---	4	---	---	---	4	---	---	---	---	---	---	BLUE-24		
5	---	5	---	---	---	---	---	---	---	---	---	1	WHITE-24	36	
6	---	6	---	---	---	---	---	---	---	11	---	---	ORANGE-24		
7	---	7	---	---	---	---	---	---	---	12	---	---	YELLOW-24		
8	---	8	---	---	---	---	---	---	---	3	---	---	BROWN-24		
9	---	9	---	---	---	---	---	---	---	5	---	---	RED-24		
10	---	10	---	---	---	---	---	---	---	---	---	---			
11	---	11	---	---	---	---	---	---	---	---	---	---			
12	---	12	---	---	---	---	---	---	---	---	---	---			
13	---	13	---	---	---	---	---	---	---	---	---	---			
14	---	14	---	---	---	---	---	---	6-116	---	---	---	BLACK-24		
15	---	15	---	---	---	---	---	---	---	13	---	---	BLUE-24		
16	---	16	---	---	---	---	---	---	---	8	---	---	BROWN-24		
17	---	17	---	---	---	---	---	---	---	---	2	---	BLUE-24	36	
18	---	18	---	---	---	---	---	---	---	---	4	---	WHITE-24	7	
19	---	19	---	---	---	---	---	---	6-89	---	---	---	BLACK-24		
20	---	20	---	---	---	---	---	---	7	---	---	---	ORANGE-24		
21	---	21	---	---	---	---	---	NC-69	---	---	---	---	WHITE-24	28	
22	---	22	---	---	---	---	---	NC-70	---	---	---	---	BLUE-24		
23	---	23	---	---	---	---	---	NC-71	---	---	---	---	WHITE-24	29	
24	---	24	---	---	---	---	---	NC-72	---	---	---	---	BLUE-24		
25	---	25	---	---	---	---	---	---	6-118	---	---	---	BLACK-24		
26	---	26	---	---	---	---	---	NC-75	---	---	---	---	BLUE-24	30	
27	---	27	---	---	---	---	---	NC-76	---	---	---	---	WHITE-24		
28	---	28	---	---	---	---	---	NC-77	---	---	---	---	BLUE-24	31	
29	---	29	---	---	---	---	---	NC-78	---	---	---	---	WHITE-24		
30	---	30	---	---	---	---	---	---	4	---	---	---	YELLOW-24		
31	---	31	---	---	---	---	---	6-91	---	---	---	---	BLACK-24		
32	---	32	---	---	---	---	---	NC-73	---	---	---	---	WHITE-24	32	
33	---	33	---	---	---	---	---	NC-74	---	---	---	---	BLUE-24		
34	---	34	---	---	---	---	---	---	6-93	---	---	---	BLACK-24		
35	---	35	---	---	---	---	---	NC-79	---	---	---	---	BLUE-24	33	
36	---	36	---	---	---	---	---	NC-80	---	---	---	---	WHITE-24		
37	---	37	---	---	---	---	---	---	5	---	---	---	GREEN-24		
38	---	38	---	---	---	---	---	6-88	---	---	---	---	BLACK-24		
39	---	39	---	---	---	9	---	---	---	---	---	---	WHITE-24	3	
40	---	40	---	---	---	10	---	---	---	---	---	---	BLUE-24		
41	---	41	---	---	---	11	---	---	---	---	---	---	WHITE-24	4	
42	---	42	---	---	---	12	---	---	---	---	---	---	BLUE-24		

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## WIRING TABLE (CONTINUED)

WIRE ID	P1 ID	P2 ID	P3 ID	P4 ID	P5 ID	P6 ID	P7 ID	P8 ID	P9 ID	P10 ID	P11 ID	P12 ID	COLOR-AWG	TWISTED PAIR	NOTE
43	---	43	---	---	---	13	---	---	---	---	---	---	WHITE-24	5	
44	---	44	---	---	---	14	---	---	---	---	---	---	BLUE-24		
45	---	45	---	---	---	---	---	---	---	14	---	---	VIOLET-24	11	
46	---	46	---	9	---	---	---	---	---	---	---	---	WHITE-24		
47	---	47	---	10	---	---	---	---	---	---	---	---	BLUE-24	12	
48	---	48	---	1	---	---	---	---	---	---	---	---	WHITE-24		
49	---	49	---	2	---	---	---	---	---	---	---	---	BLUE-24	13	
50	---	50	---	5	---	---	---	---	---	---	---	---	WHITE-24		
51	---	51	---	10	---	---	---	---	---	---	---	---	BLUE-24	14	
52	---	52	---	3	---	---	---	---	---	---	---	---	WHITE-24		
53	---	53	---	10	---	---	---	---	---	---	---	---	BLUE-24	15	
54	---	54	---	---	---	---	---	---	---	6-95	---	---	BLACK-24		
55	---	55	---	---	---	---	---	---	---	15	---	---	RED-24	16	
56	---	56	---	---	---	---	---	---	---	16	---	---	GREY-24		
57	A	57	---	---	---	---	---	---	---	---	---	---	WHITE-24	17	
58	R	58	---	---	---	---	---	---	---	---	---	---	BLUE-24		
59	---	59	---	---	---	---	---	---	---	17	---	---	WHITE-24	18	
60	G	60	---	---	---	---	---	---	---	---	---	---	WHITE-24		
61	J	61	---	---	---	---	---	---	---	---	---	---	BLUE-24	19	
62	---	62	---	---	---	---	---	---	---	18	---	---	BROWN-24		
63	---	63	---	---	---	---	---	NC-53	---	---	---	---	WHITE-24	20	
64	---	64	---	---	---	---	---	NC-54	---	---	---	---	BLUE-24		
65	---	65	---	---	---	---	---	NC-55	---	---	---	---	WHITE-24	21	
66	---	66	---	---	---	---	---	NC-56	---	---	---	---	BLUE-24		
67	---	67	---	---	---	---	---	---	6-97	---	---	---	BLACK-24	22	
68	---	68	---	---	---	---	---	---	1	---	---	---	RED-24		
69	---	69	---	---	---	---	---	---	2	---	---	---	ORANGE-24	23	
70	---	70	---	---	---	---	---	---	6-101	---	---	---	BLACK-24		
71	---	71	---	---	---	---	---	NC-57	---	---	---	---	WHITE-24	24	
72	---	72	---	---	---	---	---	NC-58	---	---	---	---	BLUE-24		
73	---	73	---	---	---	---	---	---	6-103	---	---	---	BLACK-24	25	
74	---	74	---	---	---	---	---	NC-59	---	---	---	---	WHITE-24		
75	---	75	---	---	---	---	---	NC-60	---	---	---	---	BLUE-24	26	
76	---	76	---	---	---	---	---	---	---	3	---	---	BLUE-24		
77	---	77	---	---	---	---	---	NC-81	---	---	---	---	BLUE-24	27	
78	---	78	---	---	---	---	---	NC-82	---	---	---	---	WHITE-24		
79	---	79	---	---	---	5	---	---	---	---	---	---	WHITE-24	28	
80	---	80	---	---	---	6	---	---	---	---	---	---	BLUE-24		
81	---	81	---	---	---	---	---	---	6-99	---	---	---	BLACK-24	29	
82	---	82	---	---	---	---	---	NC-61	---	---	---	---	WHITE-24		
83	---	83	---	---	---	---	---	NC-62	---	---	---	---	BLUE-24	30	
84	---	84	---	---	---	---	---	NC-63	---	---	---	---	WHITE-24		
85	---	85	---	---	---	---	---	NC-64	---	---	---	---	BLUE-24	31	

Eng. PDM Information  
For Reference Only

REV.

A

SEE SHEET 7

A

NOTES:

DOCUMENT NO.

CA-628485-D05

REV.

A

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DOCUMENT NO.  
CA-628485-D05SHEET 5 OF 7  
REV. ASIZE C  
CAGE CODE 77820  
DOCUMENT NO. CA-628485-D05  
REV. A  
SCALE: 0.5  
REF: CA-628485-C85  
SHEET 5 OF 7



CABLES TO BE TESTED IN ACCORDANCE WITH ELECTRICAL TEST TABLE.

10. SEE LQ-21818-18 FOR ARRANGEMENT DETAILS.

9. THE END TO END ORIENTATION OF PIN TO SOCKET SPLIT-PAIR QUADRAx CONTACTS TO BE WITHIN  $\pm 7.5^\circ$ .

8. CONNECTOR ID LABEL SHALL BE ON MAIN BRANCH AS SHOWN AND SHALL HAVE THE FOLLOWING DATA:  
AMPHENOL, PART NUMBER, LOT NUMBER, SEVEN DIGIT SERIALIZED DATE CODE (9-9172-3).  
EXAMPLE:

AMPHENOL  
CA-628485-D05  
1812345  
1801001

7. DRAWING NOT SHOWN TO SCALE.

6. CABLE ASSEMBLY SHALL BE WIRED IN ACCORDANCE WITH WIRING TABLE.

5. THE INDIVIDUAL PIGTAIL WIRES SHALL BE MARKED WITH REMOVABLE TAGS USING THE FOLLOWING METHOD:  
CONNECTOR REFERENCE DESIGNATOR AND PIN NUMBER.

EXAMPLE:  
P6-4

4. P4 THRU P12 SHALL BE BUNDLED IN GROUPS PER WIRING TABLE. CABLE TIES AFFIXED TO PREVENT SEPARATION OF BUNDLES.  
CABLE TIES NOT ILLUSTRATED ON P4, P6, P7 THRU P10 AND P11 THRU P12 BRANCHES.

3. CONNECTOR P4 THRU P12 TO BE TERMINATED BY END USER.

2. ALL SOLDER JOINTS IAW J-STD-001, CLASS 3.

1. CABLE ASSEMBLY SHALL BE MANUFACTURED IAW IPC/WHMA-A-620, CLASS 3.

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ELECTRICAL TEST TABLE	
DESCRIPTION	REQUIREMENT
PINOUT/CONTINUITY	PER WIRING TABLE
INSULATION RESISTANCE	500 VDC FOR 5 SEC. 100 MEGOHM MIN.

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	CA-628485-D05	A
SCALE: 0.5	REF: CA-628485-C85	SHEET 7 OF 7	