

MIL-C-26482 Series 1

- MIL-C-26482
- Operating Temperature Range -67°F to 257°F (-55°C to 125°C)
- Mating Cycles > 500

MIL-C-26482 Series 1 connectors combine high density inserts in a miniature circular metal shell. These connectors are intermateable and interchangeable with all MIL-C-26482 connectors. This style of connector uses a bayonet style coupling system for quick mating and unmating of the connector. TPC has taken the standard MIL-C-26482 Series 1 design and developed a new back shell that incorporates a sealing grommet and strain relief for added cable life. The shell design is a machined aluminum incorporating a low profile design and a reduced overall length for close quarter installations. There are 32 contact layouts available ranging from 8 to 24 positions and up to 22 amps per contact. Contacts available are 20 AWG and 16 AWG. The combination of TPC's High Performance Cable, the proven reliability of the MIL-C-26482 Series 1 connector and the Flex/Strain Relief of our new back shell design makes for an unbeatable system.



APPLICATIONS

- Earth-Moving Equipment
- Industrial Machinery
- Motion Control
- Power Generators
- Ships
- Engines
- Mobile Equipment
- Off-Road Vehicles
- Sensors
- Telecommunications

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE/TEST VOLTAGE











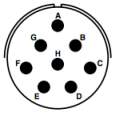

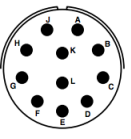


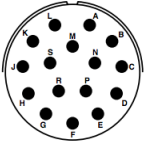


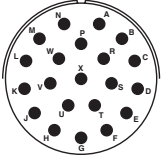
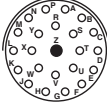

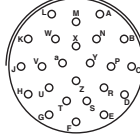
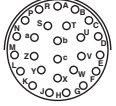
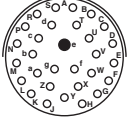
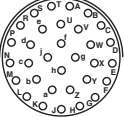
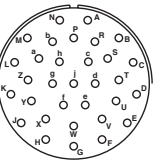
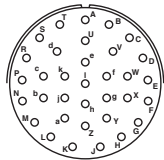
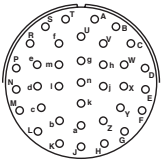
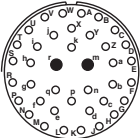
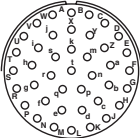
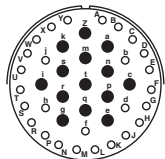
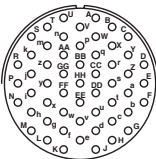
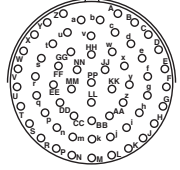
SERVICE RATING	TEST ALTITUDE	MAX OPERATING VOLTAGE		TEST VOLTAGE	
		DC	AC (rms)	DC	AC (rms)
I	Sea Level	850	600	2,100	1,500
II		1,250	1,000	3,200	2,300
I	70,000 ft	–	300	535	375
II		–	450	770	550

CURRENT RATING

WIRE SIZE AWG	RATED CURRENT (AMPS)	TEST CURRENT (AMPS)	POTENTIAL DROP (MILLIVOLTS) INITIAL
20	7.5	7.5	< 55
16	22	13	< 50

MIL-C-26482 Series 1 (Continued)

LAYOUT BY NUMBER OF CONTACTS

2 CONTACTS		3 CONTACTS				4	5	6 CONTACTS	
									
LAYOUT	8-2	8-3	8-3A	8-33	12-3	8-4	14-5	10-6	10-98
# OF CONTACTS	2-#20	3-#20	3-#20	3-#20	3-#16	4-#20	5-#16	6-#20	6-#20
8 CONTACTS		10	11 CONTACTS		12	15	16 CONTACTS		
									
LAYOUT	12-8	16-8	12-10	18-11	14-12	14-15	20-16		
# OF CONTACTS	8-#20	8-#16	10-#20	11-#16	8-#20; 4-#16	1-#16; 14-#20	16-#16		
18 CONTACTS		19	21	23 CONTACTS		24	26		
									
LAYOUT	14-18	14-19	22-21	16-23	16-99	20-24	16-26		
# OF CONTACTS	18-#20	19-#20	21-#16	1-#16; 22-#20	2-#16; 21-#20	24-#20	26-#20		
30 CONTACTS		32 CONTACTS		34 CONTACTS		36 CONTACTS			
									
LAYOUT	18-30	18-32	22-32	22-34	22-36				
# OF CONTACTS	1-#16; 29-#20	32-#20	32-#20	34-#20	36-#20				
39 CONTACTS		41 CONTACTS		55 CONTACTS		61 CONTACTS			
									
LAYOUT	20-39	20-41	22-41	22-55	24-61				
# OF CONTACTS	2-#16; 37-#20	41-#20	14-#16; 27-#20	55-#20	61-#20				

Mini Quick-Connects™
Micro Quick-Connects™
Nano Quick-Connects™
Specialty Quick-Connects™
Ethernet Cable Assemblies
7 Pin Molded Valve Plug
DIN Connectors
Extension Cords
M23 Connector Assemblies
Military Connectors
Rectangular Connectors

MIL-C-26482 Series 1 (Continued)

MIL-C-26482 SERIES 1 BY SHELL SIZE				
LAYOUT	CONTACTS			SERVICE RATING
	TOTAL	20	16	
8-2	2	2	-	I
8-3	3	3	-	I
8-4	4	4	-	I
8-33	3	3	-	I
10-6	6	6	-	I
10-7	7	7	-	I
10-98	6	6	-	I
12-3	3	-	3	II
12-8	8	8	-	I
12-10	10	10	-	I
14-5	5	-	5	II
14-12	12	8	4	I
14-15	15	14	1	I
14-18	18	18	-	I
14-19	19	19	-	I
16-8	8	-	8	II
16-23	23	22	1	I
16-26	26	26	-	I
16-99	23	21	2	I
18-11	11	-	11	II
18-30	30	29	1	I
18-32	32	32	-	I
20-16	16	-	16	II
20-24	24	24	-	I
20-39	39	37	2	I
20-41	41	41	-	I
22-21	21	-	21	II
22-32	32	32	-	I
22-34	34	34	-	I
22-36	36	36	-	I
22-41	41	27	14	I
22-55	55	55	-	I
24-61	61	61	-	I

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