

GLENAIR SERIES 260 MIL-DTL-26482 Series II Type

260-002-71 Cable Connecting Receptacle MS3471



HOW TO ORDER						
Sample Part Number	260-002-71	ME	16	-26	P	Y
Series / Basic Part No.	260-002-71 = Cable connecting receptacle					
Material/Finish	AB = Marine bronze, unplated NF = Aluminum, cadmium O.D. over electroless nickel ME = Aluminum, electroless nickel TZ = Aluminum, tin-zinc green-gold over electroless nickel ZR = Aluminum, zinc nickel-black Z1 = Stainless Steel, passivated				Shell Size	Insert Arrangement
Shell Size - Layout	Shell Sizes: 8, 10, 12, 14, 16, 18, 20, 22, 24 Layout per MIL-STD-1669; see Shell Size - Insert Layout table					
Contact Type	P = Pin, Gold, 500 mating cycles S = Socket, Gold, 500 mating cycles A = Pin insert, less pin contacts B = Socket insert, less socket contacts Connectors supplied with contacts (including spares), insertion/removal tool, and sealing plugs					
Alt. Polarization	W, X, Y, Z, Omit for normal					

NOTES

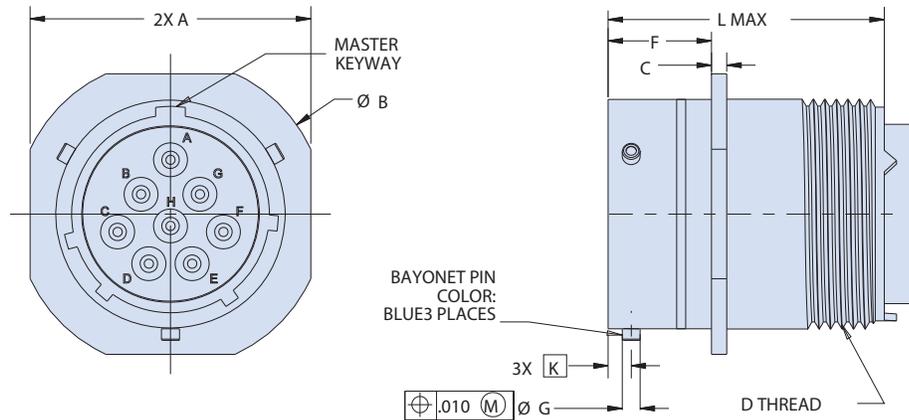
- Material/finish:
 - Shell, barrel, coupling nut, jam nut - see Table I
 - Wave spring - stainless steel / passivated
 - Grounding spring - BeCu alloy / nickel plating
 - insulator - high grade rigid dielectric
 - Seals, grommet - fluorosilicone blend
 - Contacts - copper alloy / gold
- Assembly is identified with Glenair's name, cage code, part number, and date code space permitting, location optional.
- Glenair's 260-002 connectors are designed to mate with any QPL manufacturer's MIL-DTL-26482, Series 1 & 2 connectors having the same shell size, insert arrangement, and polarization.
- Insert arrangement is in accordance with MIL-STD-1669. Contact manufacturer for additional arrangement options.
- Blue color band indicates rear release retention system.
- Connector is supplied with contacts (including spares), insertion/removal tool, and sealing plugs where indicated in table III.
- Consult factory for crimp tools and/or accessory selection.

SHELL SIZE - INSERT LAYOUT															
Shell Size - Layout	Size / Quantity			Shell Size - Layout	Size / Quantity			Shell Size - Layout	Size / Quantity			Shell Size - Layout	Size / Quantity		
	20	16	12		20	16	12		20	16	12		20	16	12
8-2	2			14-9	5		4	18-11		11		22-19			19
8-3	3			14-12	8	4		18-30	29	1		22-21		21	
8-4	4			14-15	14	1		18-32	32			22-32	32		
8-33	3			14-18	18			18-85	5		8	22-34	34		
8-98	3			14-19	19			20-16		16		22-41	27	14	
10-6	6			14-22	1		4	20-24	24			22-55	55		
10-98	6			16-8		8		20-27	27			22-95	26		6
12-3		3		16-14	8		6	20-39	37	2		24-19			19
12-8	8			16-23	22	1		20-41	41			24-27	11		16
12-10	10			16-26	26			20-90	3		12	24-31		31	
14-4			4	16-99	21	2		22-12			12	24-61	61		
14-5		5		18-8			8	22-19			19				

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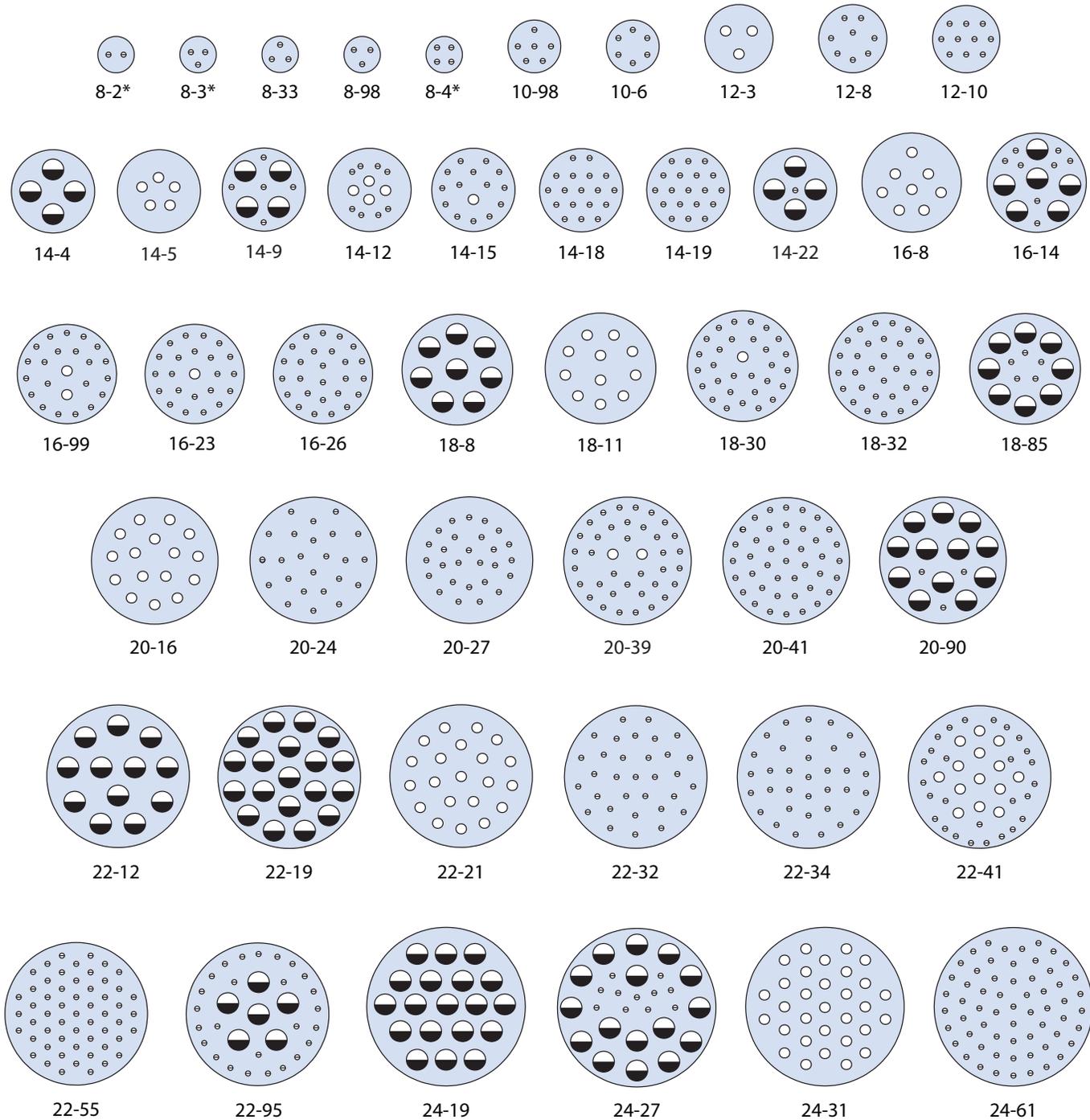
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DIMENSIONS								
Shell Size	A Sq.	B	C	F	D Thread	ØG	K Bsc	L Max
8	.828 (21.03)	.958 (24.33)	.078 (1.98)	.462 (11.73)	.5000-20 UNF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		.918 (23.32)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
10	.954 (24.23)	1.082 (27.48)	.078 (1.98)	.462 (11.73)	.6250-24 UNEF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		1.042 (26.47)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
12	1.047 (26.59)	1.176 (29.87)	.078 (1.98)	.462 (11.73)	.7500-20 UNEF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		1.136 (28.85)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
14	1.141 (28.98)	1.270 (32.26)	.078 (1.98)	.462 (11.73)	.8750-20 UNEF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		1.230 (31.24)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
16	1.234 (31.34)	1.364 (34.65)	.078 (1.98)	.462 (11.73)	1.000-20 UNEF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		1.324 (33.63)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
18	1.328 (33.73)	1.458 (37.03)	.078 (1.98)	.462 (11.73)	1.0625-18 UNEF-2A	.084 (2.13)	.100 (2.54)	1.215 (30.86)
		1.418 (36.02)	.046 (1.17)	.431 (10.95)		.076 (1.93)		
20	1.453 (36.91)	1.582 (40.18)	.110 (2.79)	.587 (14.91)	1.1875-18 UNEF-2A	.084 (2.13)	.100 (2.54)	1.275 (32.39)
		1.542 (39.17)	.078 (1.98)	.556 (14.12)		.076 (1.93)		
22	1.578	1.708 (43.38)	.110 (2.79)	.587 (14.91)	1.3125-18 UNEF-2A	.084 (2.13)	.100 (2.54)	1.275 (32.39)
		1.668 (42.37)	.078 (1.98)	.556 (14.12)		.076 (1.93)		
24	1.703	1.832 (46.53)	.110 (2.79)	.620	1.4375-18 UNEF-2A	.131	.109	1.275 (32.39)
		1.792 (45.52)	.078 (1.98)	.589		.123		

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MIL-STD-1669 Insert Arrangements



MIL-SPEC CONTACT PART NUMBERS		
Contact Size	Pin Contacts P/N	Socket Contacts P/N
20	M39029/4-110	M39029/5-115
16	M39029/4-111	M39029/5-116
12	M39029/4-113	M39029/5-118

*8-2, 8-3, 8-4 are non-QPL arrangements, available in Glenair COTS part numbers only.



**MIL-STD-1669 Insert Arrangements Table
 and Alternate Positions**

INSERT ARRANGEMENTS					
Shell Size Designator	Insert Arrangement Dash Number	Contact Size and Quantity			Service Rating
		20	16	12	
8	8-2	2			I
	8-3	3			I
	8-4	4			I
	8-33	3			I
	8-98	3			I
10	10-6	6			I
	10-98	6			I
12	12-3		3		II
	12-8	8			I
	12-10	10			I
14	14-4			4	I
	14-5		5		II
	14-9	5		4	I
	14-12	8	4		I
	14-15	14	1		I
	14-18	18			I
	14-19	19			I
	14-22	1		4	I
16	16-8		8		II
	16-14	8		6	I
	16-23	22	1		I
	16-26	26			I
	16-99	21	2		I
18	18-8			8	I
	18-11		11		II
	18-30	29	1		I
	18-32	32			I
	18-85	5		8	I
20	20-16		16		II
	20-24	24			I
	20-27	27			I
	20-39	37	2		I
	20-41	41			I
	20-90	3		12	I
22	22-12			12	I
	22-19			19	I
	22-21		21		II
	22-32	32			I
	22-34	34			I
	22-41	27	14		I
	22-55	55			I
	22-95	26		6	I
24	24-19			19	II
	24-27	11		16	I
	24-31		31		I
	24-61	61			I

ALTERNATE POSITIONS				
Shell Size / Insert Arrangement				
	A°			
	W	X	Y	Z
8-2	58	122	-	-
8-3	60	210	-	-
8-4	45	-	-	-
8-33	90	-	-	-
8-98	-	-	-	-
10-6	90	-	-	-
10-98	90	180	240	270
12-3	-	-	180	-
12-8	90	112	203	292
12-10	60	155	270	295
14-4	45	-	-	-
14-5	40	92	184	273
14-9	15	90	180	240
14-12	43	90	-	-
14-15	17	110	155	234
14-18	15	90	180	270
14-19	30	165	315	-
14-22	45	-	-	-
16-8	54	152	180	331
16-14	25	78	180	240
16-23	158	270	-	-
16-26	60	-	275	338
16-99	66	156	223	340
18-8	180	-	-	-
18-11	62	119	241	340
18-30	180	193	285	350
18-32	85	138	222	265
18-85	45	90	180	240
20-16	238	318	333	347
20-24	70	145	215	290
20-27	72	144	216	288
20-39	63	144	252	333
20-41	45	126	225	-
20-90	18	60	240	270
22-12	-	-	-	-
22-19	15	90	225	308
22-21	16	135	175	349
22-32	72	145	215	288
22-34	62	142	218	298
22-41	39	135	264	-
22-55	30	142	226	314
22-95	26	180	266	-
24-19	30	165	315	-
24-27	45	110	140	225
24-31	90	225	255	-
24-61	90	180	270	324

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Reference Information

COUPLING TORQUE		
Shell Size	Torque	
	Maximum engagement and disengagement	Minimum disengagement
8	8 (.904 N-m)	1 (.113 N-m)
10	10 (1.13 N-m)	1 (.113 N-m)
12	14 (1.58 N-m)	2 (.226 N-m)
14	17 (1.92 N-m)	4 (.452 N-m)
16	23 (2.60 N-m)	4 (.452 N-m)
18	26 (2.94 N-m)	4 (.452 N-m)
20	31 (3.50 N-m)	6 (.678 N-m)
22	38 (4.29 N-m)	7 (.791 N-m)
24	38 (4.29 N-m)	7 (.791 N-m)

DIELECTRIC WITHSTANDING VOLTAGE		
Altitude (ft.)	Minimum Test Voltages, AC (RMS)	
	Service Rating I	Service Rating II
Sea Level	1,500	2,300
50,000	500	750
70,000	375	500
110,000	200	200

WORKING VOLTAGE, AC, RMS		
Condition	Service Rating I	Service Rating II
Sea Level	600	1,000
70,000 ft.	600	450

MATERIAL AND FINISH SPECIFICATIONS								
Glenair Code	Material	Finish	Finish Specification	Salt Spray Hrs.	Electrical Conductivity	Operating Temp. Range	RoHS Materials	Notes
AB	Marine Bronze	Unplated	AMS4640 alloy, unplated	1000	Conductive	-65° to +200°C	✓	Marine and geo-physical applications
ME	Aluminum	Electroless Nickel	AMS-C-26074, Grade A; ASTM B733, SC 3	96	Conductive	-65° to +200°C	✓	High-durability electroless nickel finish.
NF	Aluminum	Cadmium, Olive Drab	AMS-QQ-P-416, Type II, Class 2, over electroless nickel	500	Conductive	-65° to +175°C		Olive drab cadmium finish.
TZ	Aluminum	Tin-Zinc, Green-Gold	AMS2434, Type 2, over electroless nickel	500	Conductive	-65° to +175°C	✓	Cadmium-compatible replacement.
ZR	Aluminum	Zinc-Nickel, Black	ASTM B841, over electroless nickel	500	Conductive	-65° to +175°C	✓	Black zinc-nickel finish.
Z1	Stainless Steel	Passivate	AMS2700	500	Conductive	-65° to +200°C	✓	Passivated stainless steel

Wave spring = Stainless steel / passivated

Insulator = high-grade rigid dielectric • Seals, grommet = fluorosilicone blend

NOTES

Additional Component Material / Finish

- Wave spring = Stainless steel / passivated
- Grounding spring = Copper alloy / nickel plated
- Insulator = high-grade rigid dielectric
- Seals, grommet = fluorosilicone blend

Notes

- Dimensions are subject to change without notice. Metric dimensions appear in parentheses in diagrams and tables, based on 1 inch = 25.4 mm, for reference only. Unless otherwise specified, the following other dimensional tolerances apply:

.xx = ± .03 (0.8)	Lengths = ± .060 (1.52)
.xxx = ± .015 (0.4)	Angles = ± 5°

Customers are advised to consult the factory for the latest specifications, particularly to confirm critical dimensions such as connector lengths, threads, and so on. When errors or mistakes are brought to our attention, corrected content is posted immediately to www.glenair.com.

For all parts in this catalog:

- All parts will be identified with manufacturer's name and part number, space permitting.
- Glenair 600 series backshell assembly tools are recommended for assembly and installation. Series 26 environmental connectors are designed to mate with any QPL manufacturer's MIL-DTL-26482 Series 1 and 2 connectors with the same shell size, insert arrangement, and polarization.
- Connectors ordered with contacts will be supplied with spares, insertion/removal tool, and sealing plugs.