

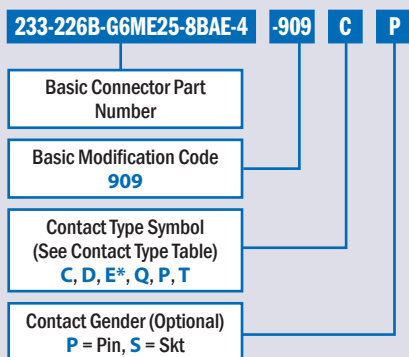
SUPERNINE D38999 SERIES III TYPE Lanyard-Release Fail-Safe Connectors



233-260 High-Speed Lanyard -Release Crimp Plug Series IAW D38999/29 and /30 Integrated band porch and shrink boot adapter

PART NUMBER DEVELOPMENT											
Sample Part Number	233-260	B	G6	ME	25	-	8	E	A	N	-909CP
Series / Basic Part No.	233-260 = Electrical Connector, Quick Disconnect Plug for High-Speed Contacts										
Rear Accessory Options	- = Accessory Thread and Teeth B = Intergrated Backshell Boot Adapter S = Intergrated Backshell Single Band										
Plug											
Material / Finish	TZ = Tin-Zinc over Nickel, Cadmium-free MN = Al Alloy, MegaNickel, per D38999 class AA ME = Aluminum Alloy, Electroless Nickel NF = Aluminum Alloy, Olive Drab-Cadmium Over Nickel MT = Aluminum Alloy, Nickel Fluorocarbon Polymer Z1 = Stainless Steel, Passivated ZL = Stainless Steel, Electrodeposited Nickel										
Shell Size	See Dimensions table										
Ground Option	G = Common Ground - = None										
Insert Arrangement	MIL-STD-1560										
Lanyard Length Code	See Lanyard Length Code table										
Contact Style	A = Pin Less Contact B = Socket Less Contact										
Alternate Polarization	A, B, C, D, E, N = Normal										
Contact Mod Code	-909** = Connector supplied with high-speed/RF contacts, see Contact Reference Guide table for codes										

Modification code 909xx is used to supply D38999 Series III Type connectors featuring crimp removable type contacts with high-speed contact kits. Kits include spares, tools, and sealing plugs. See example below.



*For El Ochito see Contact Configuration Table for appropriate code and dash number symbol.

CONTACT TYPE					
Sym	Description	Glenair P/N	Wire Type	Grommet Follower	Application Notes
C	Size 16, contact for coax cable, per M39029/76 & /77;	Pin: 852-008-16-424 Skt: 852-009-16-428	RG174, RG316, RG179	N/A	Analog radio frequency or microwave applications
	Size 12, contact for coax cable, per M39029/102 & /103	Pin: 852-004-12-558 Skt: 852-005-12-559	RG174, RG316, RG179	N/A	
	Size 8, contact for coax cable, per M39029/59 & /60	Pin: 852-007-08-367 Skt: 852-006-08-366	M17 /95-RG180	859-042-02	
C1	Size 8, contact for 75 ohm coax cable	Pin: 852-056-01 Skt: 852-057-01	V73263, V75268, V76261	859-042-01	aerospace-grade digital video
D	Size 8, differential twinax contact for 24 AWG twinax cable	Pin: 853-014-05 Skt: 853-013-05	M17 /176-00002	859-042-01	1553 databus / differential signal
E*	Size 8, El Ochito® contact for 26 AWG	White Pin: 858-003-02 Skt: 858-004-02	963-003-26 963-033-26	687-643-8-2	1G/40G Base-T Ethernet (white)
	Size 8, El Ochito® contact for 24/26-30 AWG Cable	Blue Pin: 858-028-02 Skt: 858-029-02	963-110 & 963-118	687-643-8-2	USB 3.0 (Blue)
	Size 8, El Ochito® contact for 26-30 AWG Cable	Red Pin: 858-030-02 Skt: 858-031-02	963-033-26	687-643-8-2	SATA 3.0 General High Speed (red)
Q	Size 8, contact for 24 AWG Quadrax	Pin: 854-001-02 Skt: 854-002-02	963-020	859-042-02	10/100Base-T ethernet
P	Size 8, power contact for 8 AWG	Pin: 850-014 Skt: 850-013	M22759/11 or equivalent	859-042-03	Power
T	Size 8, triax/ concentric twinax for twinax cable	Pin: 853-003-08-625 Skt: 853-004-08-628	M17 /176-00002	859-042-01	1553 Databus

ADAPTER CODE H

"H" adapter code accessories (D38999 Series III, metric thread) fit this connector

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EL OCHITO PROTOCOLS		
WHITE	BLUE	RED
40GBASE-T	USB 3.0	Multi Gigabit 100 ohm protocols HDMI, SATA, DisplayPort 1.4



Example Code E7



Example Code E5

FIGURE 2: REFERENCE ORIENTATION OF INNER PINS RELATIVE TO CONNECTOR MAIN KEY/KEYWAY

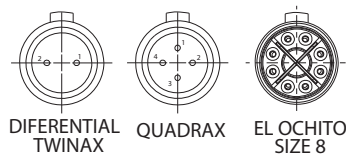


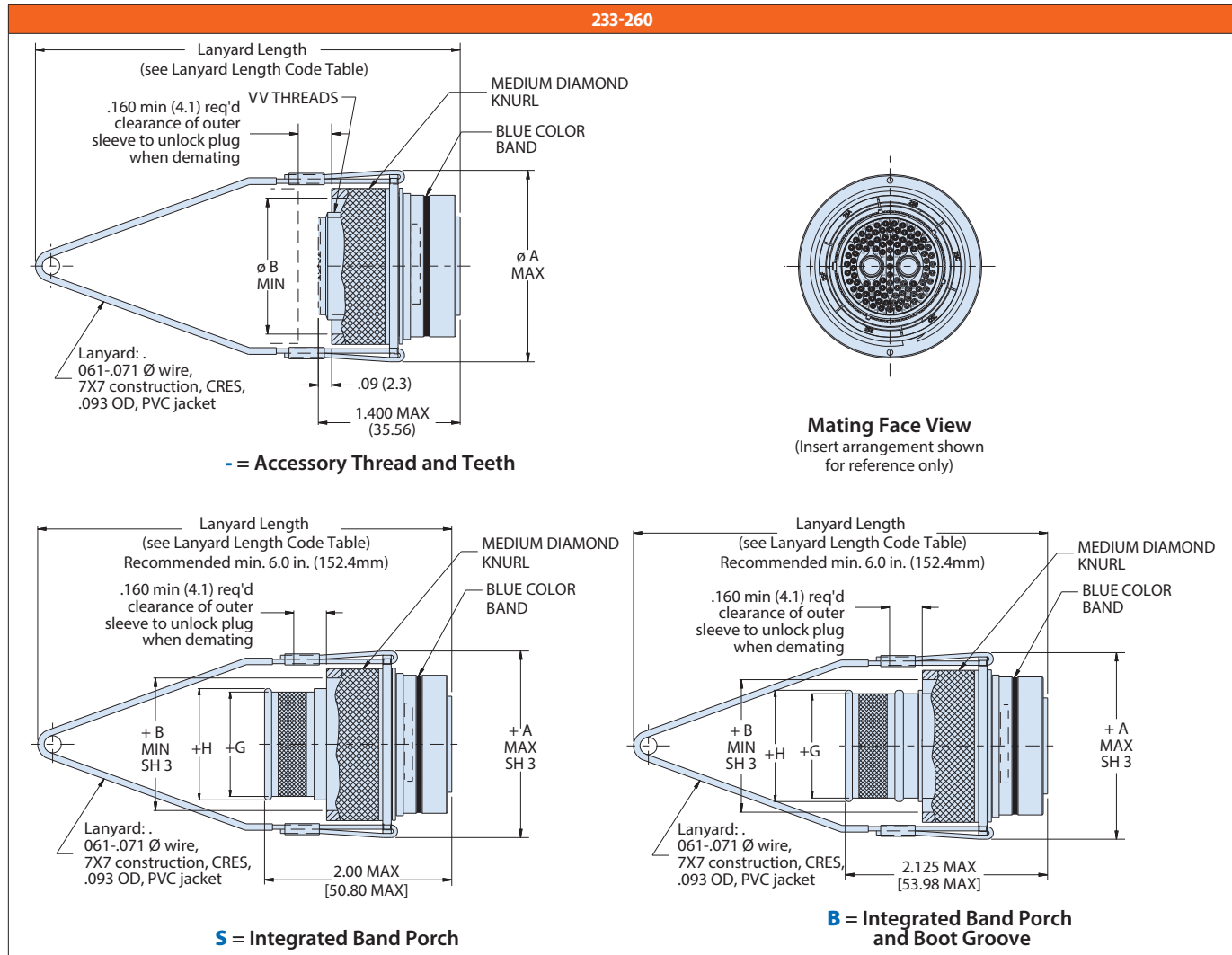
TABLE I: LANYARD LENGTH			
Sym	L ±.236 (±6)	Sym	L ±.236 (±6)
A	4.016 (102.01)	M	10.000 (254.00)
B	4.527 (114.99)	N	10.511 (266.98)
C	5.000 (127.00)	P	11.023 (279.98)
D	5.511 (139.98)	R	11.535 (292.99)
E	6.024 (153.01)	S	12.007 (304.98)
F	6.535 (165.99)	T	12.519 (317.98)
G	7.007 (177.98)	U	13.031 (330.99)
H	7.519 (190.98)	V	14.015 (355.98)
I	7.992 (203.00)	W	15.000 (381.00)
J	8.503 (215.98)	X	16.023 (406.98)
K	9.015 (228.98)	Y	17.007 (431.98)
L	9.527 (241.99)	Z	18.031 (457.99)

EL OCHITO CONTACT CONFIGURATION								
SYM	CAVITY A	CAVITY B	CAVITY C	CAVITY D	CAVITY E	CAVITY F	CAVITY G	CAVITY H
E	W	W	W	W	W	W	W	W
E2	B	W	W	W	W	W	W	W
E3	R	W	W	W	W	W	W	W
E4	B	B	W	W	W	W	W	W
E5	R	B	W	W	W	W	W	W
E6	R	R	W	W	W	W	W	W
E7	B	B	B	W	W	W	W	W
E8	R	B	B	W	W	W	W	W
E9	R	R	B	W	W	W	W	W
E10	R	R	R	W	W	W	W	W
E11	B	B	B	B	W	W	W	W
E12	R	B	B	B	W	W	W	W
E13	R	R	B	B	W	W	W	W
E14	R	R	R	B	W	W	W	W
E15	R	R	R	R	W	W	W	W
E16	B	B	B	B	B	W	W	W
E17	R	B	B	B	B	W	W	W
E18	R	R	B	B	B	W	W	W
E19	R	R	R	B	B	W	W	W
E20	R	R	R	R	B	W	W	W
E21	R	R	R	R	R	W	W	W
E22	B	B	B	B	B	B	W	W
E23	R	B	B	B	B	B	W	W
E24	R	R	B	B	B	B	W	W
E25	R	R	R	B	B	B	W	W
E26	R	R	R	R	B	B	W	W
E27	R	R	R	R	R	B	W	W
E28	R	R	R	R	R	R	W	W
E29	B	B	B	B	B	B	B	W
E30	R	B	B	B	B	B	B	W
E31	R	R	B	B	B	B	B	W
E32	R	R	R	B	B	B	B	W
E33	R	R	R	R	B	B	B	W
E34	R	R	R	R	R	B	B	W
E35	R	R	R	R	R	R	B	W
E36	R	R	R	R	R	R	R	W
E37	B	B	B	B	B	B	B	B
E38	R	B	B	B	B	B	B	B
E39	R	R	B	B	B	B	B	B
E40	R	R	R	B	B	B	B	B
E41	R	R	R	R	B	B	B	B
E42	R	R	R	R	R	B	B	B
E43	R	R	R	R	R	R	B	B
E44	R	R	R	R	R	R	R	B
E45	R	R	R	R	R	R	R	R

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GENERAL DIMENSIONS				
Shell Size	Shell Size Code	A Max	B Min	Vv Thread
09	A	1.800 (45.7)	0.977 (24.8)	M12 x1-6g-0.100R
11	B	1.846 (46.9)	1.003 (25.5)	M15 x1-6g-0.100R
13	C	1.972 (50.1)	1.177 (29.9)	M18 x1-6g-0.100R
15	D	2.078 (52.8)	1.299 (33.0)	M22 x1-6g-0.100R
17	E	2.204 (56.0)	1.425 (36.2)	M25 x1-6g-0.100R
19	F	2.330 (59.2)	1.535 (39.0)	M28 x1-6g-0.100R
21	G	2.472 (62.8)	1.661 (42.2)	M31 x1-6g-0.100R
23	H	2.594 (65.9)	1.787 (45.4)	M34 x1-6g-0.100R
25	J	2.704 (68.7)	1.909 (48.5)	M37 x1-6g-0.100R

INTEGRAL BACKSHELL DIMENSIONS		
Shell Size	+ G	+ H
11	0.535 (13.59)	0.585 (14.86)
13	0.643 (16.33)	0.703 (17.86)
15	0.800 (20.32)	0.860 (21.84)
17	0.930 (23.62)	0.980 (24.89)
19	1.040 (26.42)	1.100 (27.94)
21	1.155 (29.34)	1.215 (30.86)
23	1.273 (32.33)	1.333 (33.86)
25	1.391 (35.33)	1.451 (36.86)

SEPARATION PULL FORCES MAXIMUM		
Shell Size	Straight Pull Lbs. (Newton)	15 Degree Pull Lbs. (Newton)
9	44.96 (200)	55.08 (245)
11	44.96 (200)	55.08 (245)
13	44.96 (200)	55.08 (245)
15	44.96 (200)	55.08 (245)
17	89.92 (400)	100.04 (445)
19	89.92 (400)	100.04 (445)
21	89.92 (400)	100.04 (445)
23	89.92 (400)	100.04 (445)
25	89.92 (400)	100.04 (445)

NOTES:

- Material/Finish
 - Shell, coupling sleeve, lanyard ring, inner sleeve, locking: Al alloy or CRES
 - Insulators: high grade rigid dielectric
 - Seals: fluorosilicone blend
 - Contacts: Copper alloy / gold plate
- Connector is designed to mate with Glenair part no. 233-217 and 233-224 connectors with the same shell size, insert arrangement, polarization and mating contact
- Blue color band indicates rear release retention system
- Dimension B is clearance to accommodate SAE-AS85049 accessories.
- All contacts, insertion/ removal tool, and sealing plug to be ordered separately
- Connector 233-260 is commercial equivalent of D38999/29, /30 and /31 type 2
- Ground plane option only available for insert arrangements where all contacts are shielded type
- Modification code 909 can be added to the end of part number to include contacts. See contact reference guide table. All remaining combo contact arrangements for size #22, 20, 16 and 12 are to be power.