

MIL-DTL-38999 Series III Type Environmental Connectors

El Ochito® contact configuration and Mod Code 909

HIGH-SPEED CONNECTORS

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

El Ochito Contact Configuration								
SYM	CAVITY A	CAVITY B	CAVITY C	CAVITY D	CAVITY E	CAVITY F	CAVITY G	CAVITY H
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

R= Red B = Blue W = White

Modification Code 909

Modification code 909xx is used to supply D38999 Series III Type connectors (Glenair 233, 257, and 2570 families) featuring crimp removable type contacts with high-speed contact kits. Kits include spares, tools, and sealing plugs. See example below.

233-217-G6NF25-8AN 909 C P

Basic Part No.

Modification Code 909

Contact Type Symbol (See Contact Type Table) C, D, E, P, Q, T

Contact Gender (Optional) P = Pin, S = Skt

Table II: Contact Type							
Sym	Description	Glenair P/N	Contact Size	AWG Size	Wire Type	Grommet Follower	Application Notes
C	Coax per M39029/76 & /77;	Pin: 852-008-16-424 Skt: 852-009-16-428	16	Coax Cable	RG174, RG316, RG179	N/A	Analog radio frequency or microwave applications
	Coax per M39029/102 & /103	Pin: 852-004-12-558 Skt: 852-005-12-559	12	Coax Cable	RG174, RG316, RG179	N/A	
	Coax per M39029/59 & /60	Pin: 852-007-08-367 Skt: 852-006-08-366	8	Coax Cable	M17 /95-RG180	859-042-02	
C1	Coax per 75 ohm	Pin: 852-103-01 Skt: 852-106-01	12	Coax Cable	V73263, V75268, V76261	N/A	Aerospace-grade digital video
		Pin: 852-056-01F Skt: 852-057-01F	8			859-042-01	
D	Differential twinax	Pin: 853-014-05 Skt: 853-013-05	8	24	M17 /176-00002	859-042-01	1553 databus / differential signal
E*	El Ochito®	White Pin: 858-003-02F Skt: 858-004-02F	8	26	963-003-26 963-033-26	687-643-8-2	1G/10G Base-T Ethernet (white)
	El Ochito®	Blue Pin: 858-028-02F Skt: 858-029-02F	8	24/26 to 30	963-110 & 963-118	687-643-8-2	USB 3.0 (Blue)
	El Ochito®	Red Pin: 858-030-02F Skt: 858-031-02F	8	26 to 30	963-033-26	687-643-8-2	SATA 3.0 General High Speed (red)
P	Power	Pin: 850-014F Skt: 850-013F	8	8	M22759/11 or equivalent	859-042-03	Power
Q	Quadrx	Pin: 854-001-02 Skt: 854-002-02	8	24	963-020	859-042-02	10/100Base-T ethernet
T	Triax/Concentric Twinax	Pin: 853-003-08-625 Skt: 853-004-08-628	8	Twinax Cable	M17 /176-00002	859-042-01	1553 Databus

* See Table II for Contact Positions. See Figure 2 for orientation of inner pins relative to connector main key/keyway.