

HARWIN C90 Series Circular Connectors HARWIN

RoHS Compliant This product is RoHS compliant.

HARWIN MIL-DTL-5015 COMPATIBLE CIRCULAR CONNECTORS

Highly durable threaded, circular Military and Commercial connectors designed for use in fixed or mobile equipment. They are particularly suitable for commercial, industrial equipment, machine tools, robotics and automation applications requiring low cost and high reliability. This RoHS compliant range of connectors are fully compatible with the MIL-DTL-5015 standard and ensures these connectors are intermateable as well as being fully sealed against water and dust ingress. The aluminium alloy body is finished in black and provides good resistance to corrosion, while each contact is rated to 13A (test current).

Specification:

- Current Rating: 13A
- Insulation Resistance: 5,000 MΩ Minimum
- Voltage Rating AC: 10SL = 500
14S = 200
- Dust cap with external thread for use with Straight Plugs (C90-3106F)
- Supplied fitted with chain
- Wire Size: 16 to 22AWG
- Water Resistance (sealing): 1.8m for 48 hours (exceeds IP67)
- Voltage rating DC: 10SL = 700
14SL = 700
- Durability: 500 Cycles
- Operating Temperature: -55°C to 125°C
- Dust cap with internal thread for use with Cable connectors (C90-3101F) and Panel Mount connectors (C90-3102R)

Environmental Test Data:

- Vibration: MIL-STD-1344 Method 2005. 10 ~ 500Hz (10G)
- Shock: 50G/ Time 11 ± 1µ sec. Test Current 100mA
- Salt Spray: MIL-STD-1344 Method 1001. Salt solution 5% 48 hrs
- Humidity: 95% ± 3% temperature 71°C ± 2°C

Materials:

- Housing: Aluminium Alloy, Zinc with Black Chromate finish
- Contacts: Copper Alloy with Silver plate finish
- Insulators and Seals: Synthetic Rubber

Cable Mount Receptacles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Insert Type	Number of Contacts	Price Each			
					1	10	25	50
855-C90-3101F10SL-4P	C90-3101F10SL-4P	A	Male	2	11.93	11.03	10.66	9.90
855-C90-3101F10SL-4S	C90-3101F10SL-4S	A	Female	2	12.00	11.58	11.19	10.15
855-C90-3101F10SL-3P	C90-3101F10SL-3P	A	Male	3	12.33	11.40	10.99	10.23
855-C90-3101F10SL-3S	C90-3101F10SL-3S	A	Female	3	13.76	12.72	12.16	11.42
855-C90-3101F14S-2P	C90-3101F14S-2P	A	Male	4	11.33	10.93	10.56	9.58
855-C90-3101F14S-2S	C90-3101F14S-2S	A	Female	4	14.86	13.74	13.06	12.33
855-C90-3101F14S-6P	C90-3101F14S-6P	A	Male	6	11.80	11.39	11.00	9.98
855-C90-3101F14S-6S	C90-3101F14S-6S	A	Female	6	12.96	12.20	11.65	11.05

Panel Mount Receptacles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Insert Type	Number of Contacts	Price Each			
					1	10	25	50
855-C90-3102R10SL-4P	C90-3102R10SL-4P	B	Male	2	8.03	6.79	6.35	5.87
855-C90-3102R10SL-4S	C90-3102R10SL-4S	B	Female	2	8.69	7.35	6.98	6.35
855-C90-3102R10SL-3P	C90-3102R10SL-3P	B	Male	3	8.69	7.35	6.98	6.35
855-C90-3102R10SL-3S	C90-3102R10SL-3S	B	Female	3	6.78	6.54	6.32	5.74
855-C90-3102R14S-2P	C90-3102R14S-2P	B	Male	4	8.95	7.57	7.04	6.54
855-C90-3102R14S-2S	C90-3102R14S-2S	B	Female	4	7.11	6.86	6.62	6.01
855-C90-3102R14S-6P	C90-3102R14S-6P	B	Male	6	9.05	8.26	7.88	7.08
855-C90-3102R14S-6S	C90-3102R14S-6S	B	Female	6	8.47	8.17	7.90	7.17

Cable Mount Plugs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Insert Type	Number of Contacts	Price Each			
					1	10	25	50
855-C90-3106F10SL-4P	C90-3106F10SL-4P	C	Male	2	11.52	11.11	10.74	9.75
855-C90-3106F10SL-4S	C90-3106F10SL-4S	C	Female	2	13.77	12.74	12.12	11.43
855-C90-3106F10SL-3P	C90-3106F10SL-3P	C	Male	3	11.84	11.42	11.03	10.02
855-C90-3106F10SL-3S	C90-3106F10SL-3S	C	Female	3	14.11	13.05	12.45	11.71
855-C90-3106F14S-2P	C90-3106F14S-2P	C	Male	4	12.82	12.37	11.95	10.85
855-C90-3106F14S-2S	C90-3106F14S-2S	C	Female	4	13.95	13.45	13.00	11.80
855-C90-3106F14S-6P	C90-3106F14S-6P	C	Male	6	14.58	13.49	12.88	12.11
855-C90-3106F14S-6S	C90-3106F14S-6S	C	Female	6	14.62	14.11	13.63	12.37

Screening Braid Adaptors

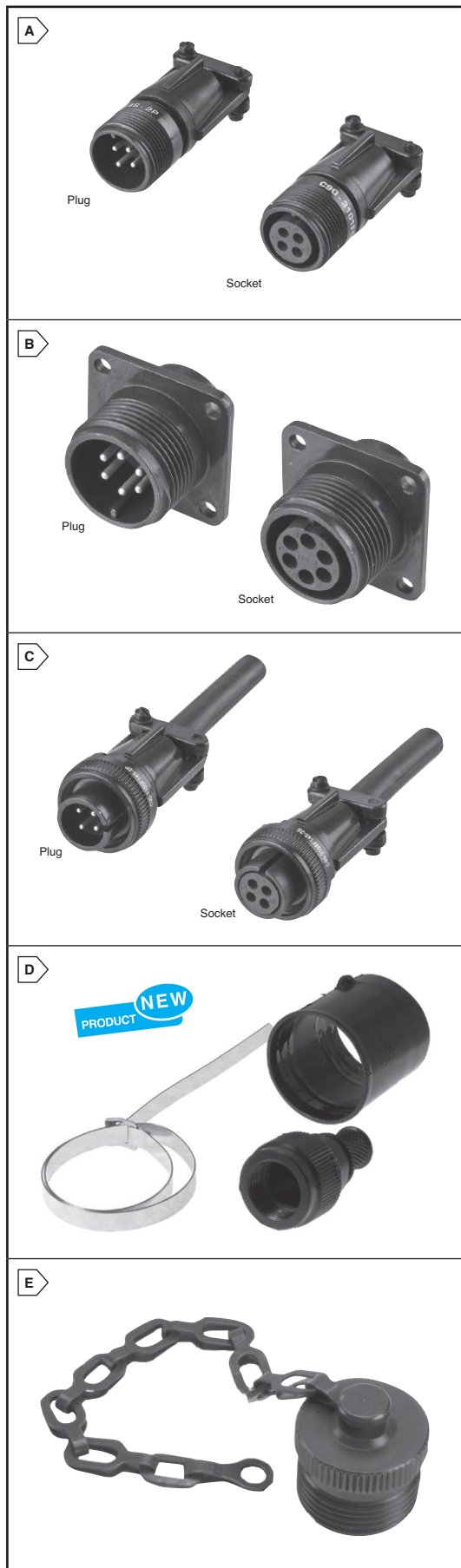
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Shell Size	Termination Style	Price Each			
					1	10	25	50
855-C90-001-10SL	C90-001-10SL	D	10SL	Band	43.17	41.63	40.24	36.50
855-C90-001-12S	C90-001-12S	D	12S	Band	44.91	43.31	41.87	37.98
855-C90-001-14S	C90-001-14S	D	14S	Band	47.84	46.13	44.60	40.46
855-C90-002-10SL	C90-002-10SL	D	10SL	Spring	36.09	34.80	33.64	30.52
855-C90-002-12S	C90-002-12S	D	12S	Spring	36.67	35.36	34.19	31.01
855-C90-002-14S	C90-002-14S	D	14S	Spring	39.60	38.19	36.92	33.49

Dust Covers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Description	Price Each			
				1	10	25	50
855-C90-25042-10SL	C90-25042-10SL	E	Cap with External thread, for use with 10SL shell size	9.14	8.35	7.63	7.15
855-C90-25042-14S	C90-25042-14S	E	Cap with External thread, for use with 14S shell size	10.84	10.03	9.77	8.99
855-C90-25043-10SL	C90-25043-10SL	E	Cap with Internal thread, for use with 10SL shell size	7.87	6.66	6.05	5.75
855-C90-25043-14S	C90-25043-14S	E	Cap with Internal thread, for use with 14S shell size	7.49	7.22	6.98	6.34



Circular Connectors

Harwin