



790-066

**Series 79 Micro-Crimp Mateable, Rear Panel Mount
Hermetic Receptacle, Pin Face
with Solder Cups**

Basic Part Number
790-066

Shell Size
Table I
Page L-11
Z1

Contact Type
C = Pin, PC Tail
P = Pin, Solder Cup
K

Mating Hardware Option
N = No Hardware
P = Jackpost
G = Male Guide Pins
S = Female Guide Sockets
See Page L-12

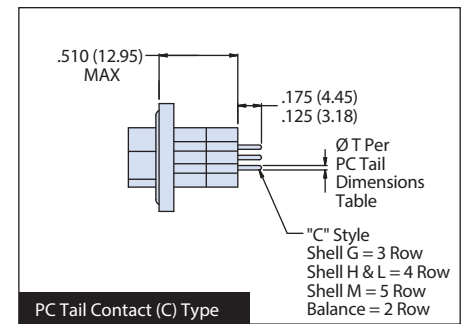
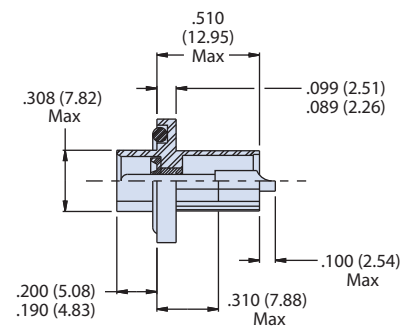
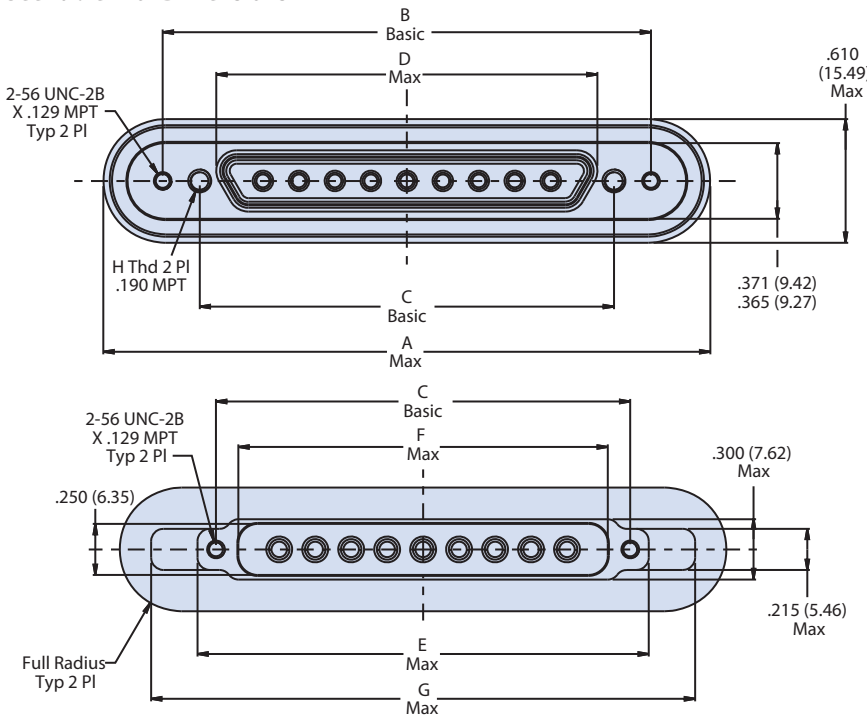
Finish
Z1 = Passivate
ZL = Nickel Plate

Arrangement
See Page L-3 thru L-6
- 9P9 C N

PC Tail Dimensions	
Contact Size	Ø T
23	.022 (.56) .018 (.46)
16	.064 (1.63) .061 (1.55)
12	.095 (2.41) .093 (2.36)

Mounting Hardware	
P Jackpost 	Connector supplies with non-removable jackpost. Shell size "M" has 6-32-UNC thread. Shell sizes "H" and "L" have 4-40 UNC-2B thread. all other sizes have 2-56 UNC-2B thread.
G Guide Pin 	Connector supplied with non-removable guide pins for blind mate applications. Mates with option "S" guide socket on corresponding plug connector.
S Guide Socket 	Connector supplied with non-removable guide sockets for blind mate applications. Mates with option "G" guide pin on corresponding plug connector.

**Shell Size A, B, C, D, E, F, J & K
See Table I For Dimensions**



APPLICATION NOTES

- Material/Finish:
Shell* - 300 Series CRES/passivate or 300 Series CRES/Nickel Plate
Contacts - Nickel iron alloy/gold plate
Insulator - Individual glass beads/N.A.
Seals - Fluorosilicone blend/N.A.
Mating Hardware - CRES/passivated
*Consult factory for other shell finishes and O-Ring materials.
- Metric dimensions (mm) are indicated in parentheses.
- See Pages L-7 and L-8 for panel cut-out information.
- Test Criteria:
Hermeticity - $<1 \times 10^{-5}$ scc He/sec @1 ATM Delta
DWV - #23 pins: 500 VAC pin-to-shell
#16 pins: 1800 VAC pin-to-shell
#12 pins: 1800 VAC pin-to-shell
I.R. - 5,000 megohms minimum @500 VDC
- Glenair 790-066 will mate with any series 79 plug with socket contacts and same shell and insert, and is designed to utilize 799-016 EMI backshells.

790-066

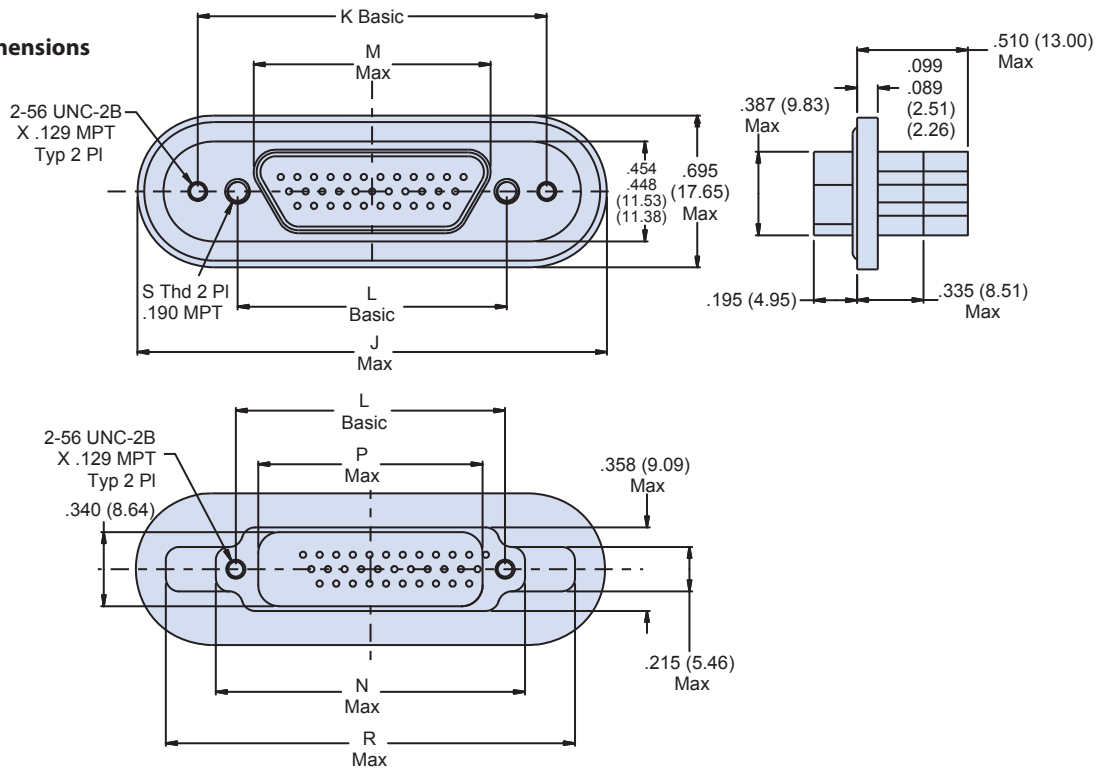
Series 79 Micro-Crimp Mateable, Rear Panel Mount
Hermetic Receptacle, Pin Face
with Solder Cups



Series 79
Micro-Crimp

Shell Size G

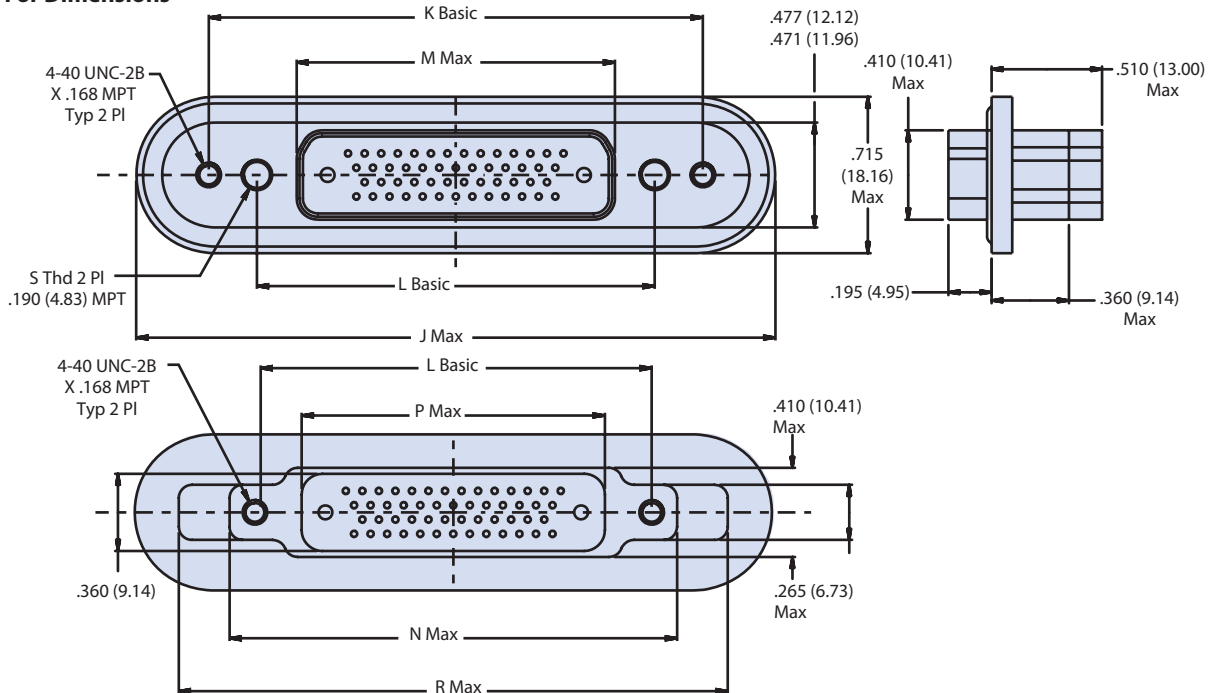
See Table II For Dimensions



L

Shell Size H & L

See Table II For Dimensions



Series 79
 Micro-Crimp

790-066

Series 79 Micro-Crimp Mateable, Rear Panel Mount Hermetic Receptacle, Pin Face with Solder Cups

Shell Size M (See Table II For Dimensions)

Technical drawings of the Shell Size M connector. The top drawing shows a front view with dimensions: 8-32 UNC-2B X .200 MPT Typ 2 PI (top left), .790 (20.07) Max (left vertical), K Basic (top horizontal), M Max (top horizontal), .537 (13.64) and .531 (13.49) (right vertical), .470 (11.94) Max (right vertical), .510 (12.95) Max (right vertical), S Thd 2 PI .200 MPT (bottom left), L Basic (bottom horizontal), .195 (4.95) (bottom vertical), and .360 (9.14) Max (bottom vertical). The bottom drawing shows a side view with dimensions: 4-40 UNC-2B X .165 MPT Typ 2 PI (top left), .420 (10.67) (left vertical), L Basic (top horizontal), P Max (top horizontal), .475 (12.07) Max (right vertical), N Max (bottom horizontal), .320 (8.128) Max (bottom vertical), and R Max (bottom horizontal).

TABLE I: SHELL SIZE A, B, C, D, E, F, J AND K CONNECTOR DIMENSIONS

Shell Size	A OAL	B BASIC	C BASIC	D MAX	E MAX	F MAX	G MAX	H TYP UNC 2-B
A	1.490 (37.85)	.925 (23.50)	.565 (14.35)	.401 (10.19)	.750 (19.05)	.350 (8.89)	1.215 (30.86)	#4-40
B	1.680 (42.67)	1.075 (27.31)	.715 (18.16)	.551 (14.00)	.910 (23.11)	.500 (12.70)	1.365 (34.67)	#4-40
C	1.785 (45.34)	1.225 (31.12)	.865 (21.97)	.701 (17.81)	1.060 (26.92)	.650 (16.51)	1.515 (38.48)	#4-40
D	1.975 (50.17)	1.325 (33.66)	.965 (24.51)	.801 (20.35)	1.160 (29.46)	.750 (19.05)	1.615 (41.02)	#4-40
E	2.075 (52.71)	1.475 (37.47)	1.115 (28.32)	.951 (24.16)	1.310 (33.27)	.900 (22.86)	1.765 (44.83)	#4-40
F	2.175 (55.25)	1.625 (41.28)	1.265 (32.13)	1.101 (27.97)	1.460 (37.08)	1.050 (26.67)	1.915 (48.64)	#4-40
J	2.665 (67.69)	1.975 (50.17)	1.615 (41.02)	1.460 (37.08)	1.810 (45.97)	1.405 (35.69)	2.265 (57.53)	#4-40
K	2.960 (75.18)	2.375 (60.33)	2.015 (51.18)	1.860 (47.24)	2.210 (56.13)	1.805 (45.85)	2.665 (67.69)	#4-40

CONTACTS AND WIRE SIZES AVAILABLE

Contact Sizes	Wire Sizes Accomodated
#23	26, 24, 22
#16	20, 18, 16
#12	14, 12

TABLE II: SHELL SIZE G, H, L AND M CONNECTOR DIMENSIONS

Shell Size	J OAL	K BASIC	L BASIC	M MAX	N MAX	P MAX	R MAX	S TYP UNC 2-B
G	2.130 (54.10)	1.575 (40.01)	1.215 (30.86)	1.079 (27.41)	1.410 (35.81)	1.020 (25.91)	1.861 (47.27)	#4-40
H	2.900 (73.66)	2.236 (56.79)	1.800 (45.72)	1.450 (36.83)	2.045 (51.94)	1.385 (35.18)	2.500 (63.50)	#6-32
L	3.100 (78.74)	2.472 (62.79)	2.036 (51.74)	1.686 (42.82)	2.281 (57.94)	1.625 (41.28)	2.736 (69.49)	#6-32
M	3.475 (88.27)	2.770 (70.36)	2.200 (55.88)	1.745 (44.32)	2.485 (63.12)	1.690 (42.93)	3.085 (78.36)	#8-32

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