

QPL QUALIFIED

MIL-DTL-38999 Series IV, Breech Coupling

38999/45 solder mount receptacle



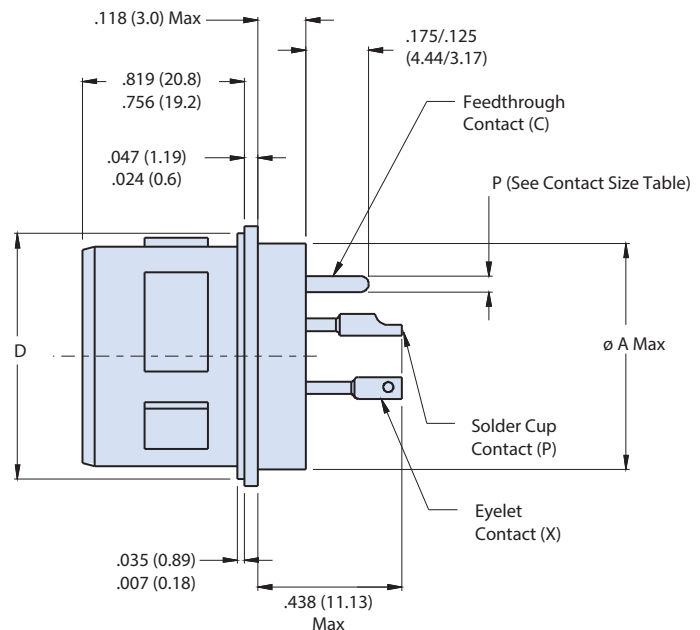
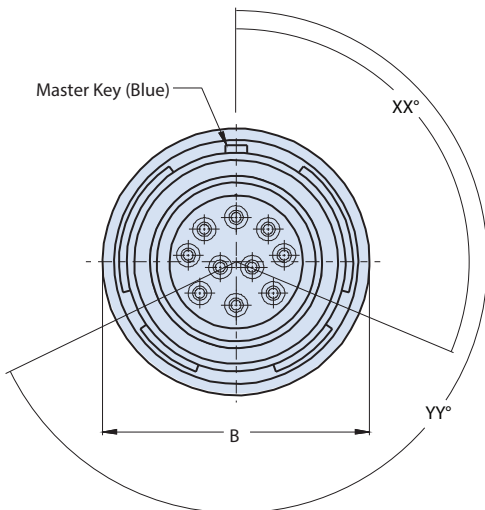
SERIES IV HERMETIC

QPL Part Number Development							
Sample Part Number	D38999/45		Y	B	35	P	N
D38999	38999/45 = Solder mount receptacle						
Class	N = Hermetic, CRES, nickel finish, conductive, -65°C to 200°C Y = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C H = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C (space grade)						
Shell Size	B, C, D, E, F, G, H, J						
Insert Arrangement	Per MIL-STD-1560; See reference information section for details						
Contact Style	P = Pin, solder cup S = Socket, solder cup		X = Pin, eyelet Z = Socket, eyelet		C = Pin, PCB flex feedthrough D = Socket, PCB flex feedthrough		
Polarization	N (Normal), A, B, C, D, K, L, M, R; see polarization positions table						



Polarization									
	N	A	B	C	D	K	L	M	R
XX	110°	100°	90°	80°	70°	120°	120°	120°	120°
YY	250°	260°	270°	280°	290°	255°	265°	275°	285°

Wire Accommodation	
Contact Size	Wire Gauge
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14



COTS EQUIVALENT MIL-DTL-38999 Series IV, Breech Coupling



234-100-H5 solder mount receptacle

SERIES IV HERMETIC

DLA Equivalent Part Number Development						
Sample Part Number	234-100-H5	Z1	11	-35	P	N
Series / Basic Part No.	234-100-H5 = Hermetic, solder mount receptacle					
Material/Finish*	ZL = CRES, nickel finish, conductive, -65°C to 200°C Z1 = CRES, passivate finish, conductive, -65°C to 200°C Z1S = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C (space grade)					
Shell Size	11, 13, 15, 17, 19, 21, 23, 25					
Insert Arrangement	Per MIL-STD-1560; See reference information section for details					
Contact Style	P = Pin, solder cup S = Socket, solder cup		X = Pin, eyelet Z = Socket, eyelet		C = Pin, PCB flex feedthrough D = Socket, PCB flex feedthrough	
Polarization	N (Normal), A, B, C, D, K, L, M, R see polarization table					

Contact Size	
<p>FEEDTHROUGH CONTACT STYLE C AND D</p> <p>SIZE 12 AND SIZE 16 .050 ± .015 (1.27 ± 0.38)</p> <p>SIZE 22D AND SIZE 20</p>	
Contact Size	ø P
22D	.011 (0.28) .015 (0.38)
20	.024 (0.61) .028 (0.71)
16	.0635 (1.61) .0615 (1.56)
12	.095 (2.41) .093 (2.36)

Dimensions					
SHELL SIZE CODE	SHELL SIZE	ø A MAX	ø B MAX	ø C	D
B	11	.783(19.9)	.862(21.9)	.794 (20.17) .784 (19.91)	.793(20.1) .778(19.8)
C	13	.909(23.1)	.988(25.1)	.920 (23.37) .910 (23.11)	.919(23.3) .904(23.0)
D	15	1.035(26.3)	1.110(28.2)	1.046 (26.57) 1.036 (26.31)	1.044(26.5) 1.028(26.1)
E	17	1.157(29.4)	1.236(31.4)	1.169 (29.71) 1.159 (29.44)	1.170(29.7) 1.155(29.3)
F	19	1.252(31.8)	1.331(33.8)	1.263 (32.08) 1.253 (31.83)	1.294(32.9) 1.279(32.5)
G	21	1.378(35.0)	1.457(37.0)	1.389 (35.28) 1.379 (35.03)	1.419(36.0) 1.404(35.7)
H	23	1.504(38.2)	1.583(40.2)	1.515 (38.48) 1.505 (38.23)	1.544(39.2) 1.528(38.8)
J	25	1.630(41.4)	1.705(43.3)	1.642 (41.71) 1.632 (41.45)	1.670(42.4) 1.654(42.0)

