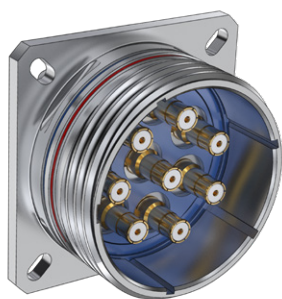


233-290
Series

How-to-Order
Environmental-Class



PART NUMBER

	233-290	-00	ME	17RF6	A	N
Base P/N	233-290 SuperNine RF Connector					
Connector Style	-G6 Plug -00 Wall-Mount Receptacle, Slotted Holes -05 In-Line Receptacle -07 Jam Nut Receptacle -CS Wall Mount Receptacle, Std. Clinch Nuts -CM Wall Mount Receptacle, Metric Clinch Nuts -HS Wall-Mount Receptacle, Std. Helicoil -HM Wall-Mount Receptacle, Metric Helicoil					
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ME Alum/ Electroless Nickel ZR Alum/ Black Zinc-Nickel ZL SST/ Nickel Plating					
Size and Layout	See Contact Arrangements Table					
Contact Type	A Pin B Socket					
Polarization	A, B, C, D, N					

SuperNine RF Size 8 Contact Arrangements

Optimized for size 8 BMB contacts Cable diameter: .240" Max 304" Max w/ G-Link Max Frequency: 18 GHz								
	9RF5* Shell Sz. 9 • 1 contacts	11RF1 Shell Sz. 11 • 1 contact	17RF75 Shell Sz. 17 • 2 contacts	19RF4 Shell Sz. 19 • 4 contacts	21RF75 Shell Sz. 21 • 4 contacts	23RF5 Shell Sz. 23 • 5 contacts	23RF6 Shell Sz. 23 • 6 contacts	25RF8 Shell Sz. 25 • 8 contacts

SuperNine RF Size 12 Contact Arrangements

Optimized for Size #12 SMPM Contacts Cable Diameter: .142" Max Max Frequency: 40 GHz			
	17RF6 Shell Sz. 17 • 6 contacts	21RF11 Shell Size 21 • 11 contacts	25RF19 Shell Size 25 • 19 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPM Contacts Cable Diameter: .109" Max Max Frequency: 65 GHz					
	11RF2 Shell Sz. 11 • 2 contacts	13RF4 Shell Sz. 13 • 4 contacts	15RF5 Shell Sz. 15 • 5 contacts	17RF8 Shell Sz. 17 • 8 contacts	19RF11 Shell Sz. 19 • 11 contacts

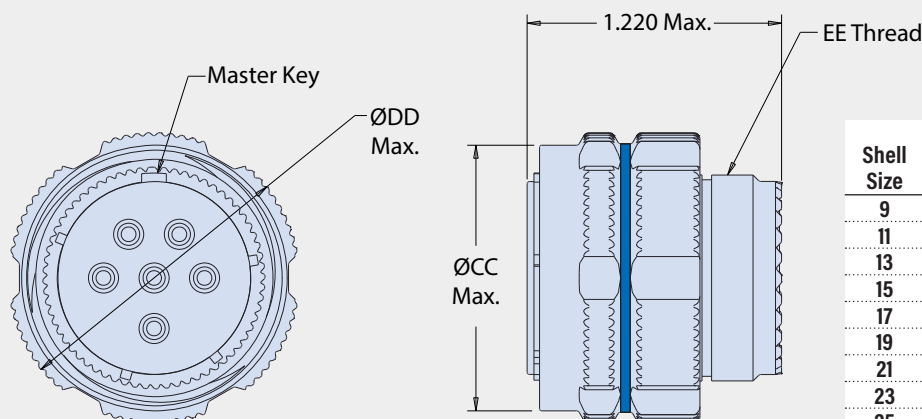
SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPM Contacts Cable Diameter: .109" Max Max Frequency: 65 GHz						
	21RF16 Shell Size 21 • 16 contacts	23RF21 Shell Size 23 • 21 contacts	23RF97 Shell Size 23 • 16 contacts	23RF99 Shell Size 23 • 11 contacts	25RF29 Shell Size 25 • 29 contacts	25RF37 Shell Size 25 • 37 contacts

233-290-G6 Plug Connector

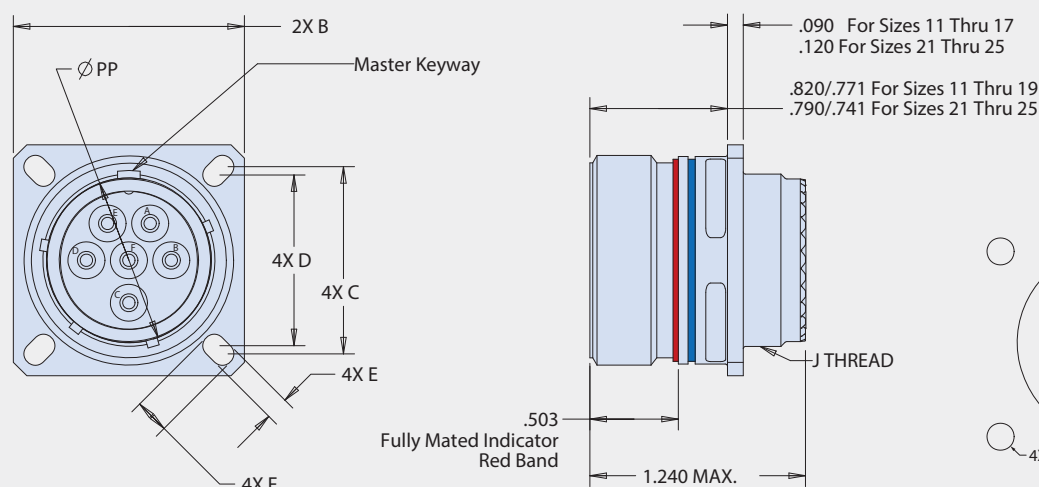
233-290-00 Wall-Mount Receptacle, Slotted Holes

233-290-G6 PLUG WITH EMI SPRING



Shell Size	ØCC Max		ØDD Max		EE Thread
	in	mm	in	mm	
9	.732	18.59	.858	21.79	M12 X 1.0-6g 0.100R
11	.839	21.31	.984	24.99	M15 X 1.0-6g 0.100R
13	1.008	25.60	1.157	29.39	M18 X 1.0-6g 0.100R
15	1.138	28.91	1.280	32.51	M22 X 1.0-6g 0.100R
17	1.276	32.41	1.406	35.71	M25 X 1.0-6g 0.100R
19	1.382	35.10	1.516	38.51	M28 X 1.0-6g 0.100R
21	1.508	38.30	1.642	41.71	M31 X 1.0-6g 0.100R
23	1.626	41.30	1.768	44.91	M34 X 1.0-6g 0.100R
25	1.752	44.50	1.89	48.01	M37 X 1.0-6g 0.100R

233-290-00 WALL-MOUNT RECEPTACLE WITH SLOTTED HOLES

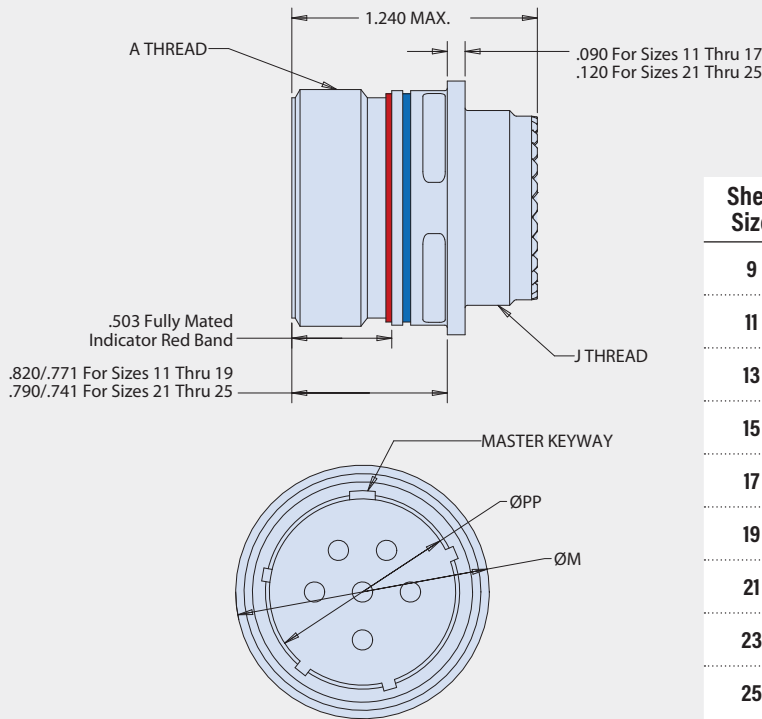


Shell Size	A Thread -1P-3L-TS-2A	B Sq	C Bsc	D Bsc	PP	E	F	J Thread X 1.0-6g 0.100R	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	.949 (24.10) .925 (23.50)	.719 (18.26)	.594 (15.09)	.447 (11.35) .441 (11.20)		.224 (5.69) .208 (5.28)	M12	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	
11	.7500	1.043 (26.49) 1.019 (25.88)	.812 (20.62)	.719 (18.26)	.575 (14.60) .569 (14.45)		.202 (5.13) .186 (4.72)	M15	.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.138 (28.91) 1.092 (27.74)	.906 (23.01)	.812 (20.62)	.687 (17.45) .681 (17.30)			M18	.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.232 (31.29) 1.208 (30.68)	.969 (24.61)	.906 (23.01)	.812 (20.62) .804 (20.42)	.136 (3.45) .120 (3.05)	.181 (4.60) .165 (4.19)	M22	1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	.133 (3.38) .123 (3.12)
17	1.1875	1.323 (33.60) 1.299 (32.99)	1.062 (26.97)	.969 (24.61)	.937 (23.80) .930 (23.62)			M25	1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.449 (36.80) 1.425 (36.20)	1.156 (29.36)	1.062 (26.97)	1.042 (26.47) 1.036 (26.31)		.202 (5.13) .186 (4.72)	M28	1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.575 (40.00) 1.551 (39.40)	1.250 (31.75)	1.156 (29.36)	1.167 (29.64) 1.161 (29.49)			M31	1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	
23	1.5000	1.701 (43.21) 1.677 (42.60)	1.375 (34.92)	1.250 (31.75)	1.292 (32.82) 1.286 (32.66)	.162 (4.11)	.250 (6.35)	M34	1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	.159 (4.04)
25	1.6250	1.823 (46.30) 1.799 (45.69)	1.500 (38.10)	1.375 (34.92)	1.417 (35.99) 1.411 (35.84)	.146 (3.71)	.234 (5.94)	M37	1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	.149 (3.78)

233-290-05 In-Line Receptacle

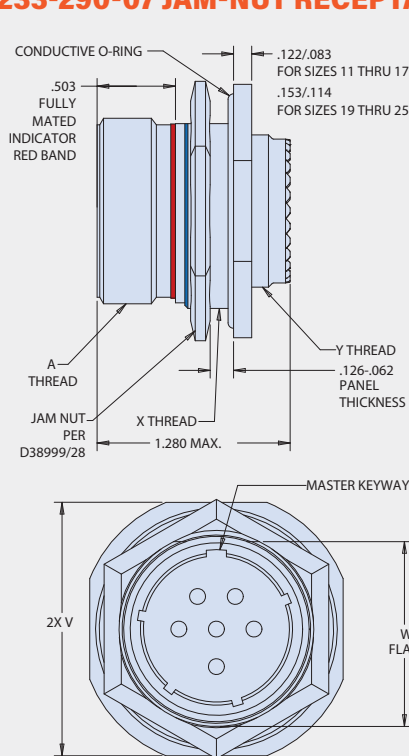
233-290-07 Jam-Nut Receptacle

233-290-05 IN-LINE RECEPTACLE



Shell Size	A Thread -1P-.3L-TS-2A	PP	J Thread X 1.0-6g 0.100R	L Thread	ØM Max
9	.6250	.447 (11.35) .441 (11.20)	M12		.858 (21.79)
11	.7500	.575 (14.60) .569 (14.45)	M15		.984 (24.99)
13	.8750	.687 (17.45) .681 (17.30)	M18		1.157 (29.39)
15	1.0000	.812 (20.62) .804 (20.42)	M22	.112-40 UNC	1.280 (32.51)
17	1.1875	.937 (23.80) .930 (23.62)	M25		1.406 (35.71)
19	1.2500	1.042 (26.47) 1.036 (26.31)	M28		1.516 (38.51)
21	1.3750	1.167 (29.64) 1.161 (29.49)	M31		1.642 (41.71)
23	1.5000	1.292 (32.82) 1.286 (32.66)	M34	.138-32 UNC	1.768 (44.91)
25	1.6250	1.417 (35.99) 1.411 (35.84)	M37		1.890 (48.01)

233-290-07 JAM-NUT RECEPTACLE



Shell Size	A Thread -1P-.3L-TS-2A	Ø U	V	W Flat	X Thread X 1.0-6g 0.100R	Y Thread X 1.0-6g 0.100R	ØAA	BB Flat
09	.6250	1.200 (30.48) 1.178 (29.92)	1.078 (27.38) 1.048 (26.62)	.654 (16.61) .645 (16.38)	M17	M12	.703 .693	.661 (16.79) .654 (16.61)
11	.7500	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.236 (31.39)	.755 (19.18) .745 (18.92)	M20	M15	.835 .825	.771 (19.58) .761 (19.33)
13	.8750	1.512 (38.40) 1.488 (37.80)	1.390 (35.31) 1.358 (34.49)	.942 (23.93) .932 (23.67)	M25	M18	1.020 1.010	.955 (24.26) .945 (24.00)
15	1.0000	1.638 (41.61) 1.614 (41.00)	1.516 (38.51) 1.484 (37.69)	1.066 (27.08) 1.056 (26.82)	M28	M22	1.145 1.135	1.085 (27.56) 1.075 (27.30)
17	1.1875	1.764 (44.81) 1.740 (44.20)	1.642 (41.71) 1.610 (40.89)	1.191 (30.25) 1.181 (30.00)	M32	M25	1.270 1.260	1.210 (30.73) 1.200 (30.48)
19	1.2500	1.949 (49.50) 1.925 (48.90)	1.827 (46.41) 1.795 (45.59)	1.316 (33.43) 1.306 (33.17)	M35	M28	1.395 1.385	1.335 (33.91) 1.325 (33.65)
21	1.3750	2.075 (52.71) 2.051 (52.10)	1.953 (49.61) 1.921 (48.79)	1.441 (36.60) 1.431 (36.35)	M38	M31	1.520 1.510	1.460 (37.08) 1.450 (36.83)
23	1.5000	2.201 (55.91) 2.177 (55.30)	2.079 (52.81) 2.047 (51.99)	1.566 (39.78) 1.556 (39.52)	M41	M34	1.645 1.635	1.585 (40.26) 1.575 (40.00)
25	1.6250	2.323 (59.00) 2.299 (58.39)	2.205 (56.01) 2.173 (55.19)	1.691 (42.95) 1.681 (42.70)	M44	M37	1.770 1.760	1.710 (43.43) 1.700 (43.18)

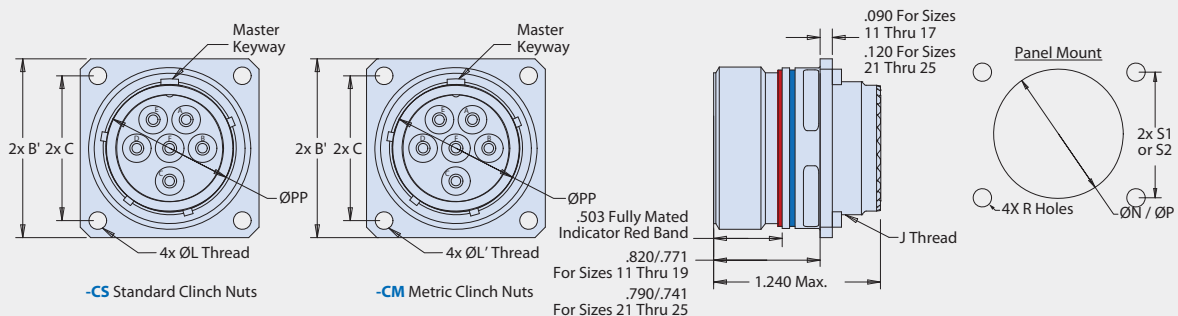
233-290-CS
 Wall-Mount Receptacle
 Standard Clinch Nuts

233-290-CM
 Wall-Mount Receptacle
 Metric Clinch Nuts

233-290-HS
 Wall-Mount Receptacle
 Standard Helicoils

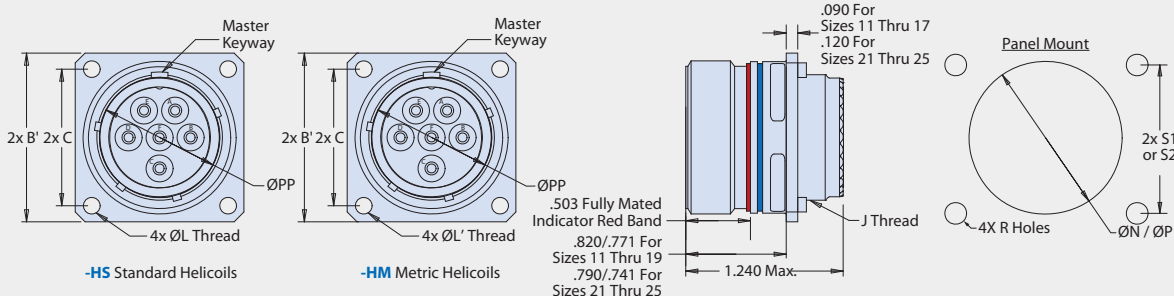
233-290-HM
 Wall-Mount Receptacle
 Metric Helicoils

233-290 WALL-MOUNT RECEPTACLE WITH -CS STANDARD OR -CM METRIC CLINCH NUTS



Shell Size	A Thread -1P-.3L- TS-2A	B'	C Bsc	PP	J Thread	L Thread	L' Thread	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	1.039 (26.39); .999 (25.37)	.719 (18.26)	.447 (11.35); .441 (11.20)	M12 X 1.0-6g 0.100R	.112-40 UNC	M3X 0.5	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	.133 (3.38) .123 (3.12)
11	.7500	1.132 (28.75); 1.092 (27.74)	.812 (20.62)	.575 (14.60); .569 (14.45)	M15 X 1.0-6g 0.100R			.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.226 (31.14); 1.186 (30.12)	.906 (23.01)	.687 (17.45); .681 (17.30)	M18 X 1.0-6g 0.100R			.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.289 (32.74); 1.249 (31.72)	.969 (24.61)	.812 (20.62); .804 (20.42)	M22 X 1.0-6g 0.100R			1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	
17	1.1875	1.382 (35.10); 1.342 (34.09)	1.062 (26.97)	.937 (23.80); .930 (23.62)	M25 X 1.0-6g 0.100R			1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.476 (37.49); 1.436 (36.47)	1.156 (29.36)	1.042 (26.47); 1.036 (26.31)	M28 X 1.0-6g 0.100R			1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.582 (40.18); 1.542 (39.17)	1.250 (31.75)	1.167 (29.64); 1.161 (29.49)	M31 X 1.0-6g 0.100R	.138-32 UNC	M4X 0.7	1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	.159 (4.04) .149 (3.78)
23	1.5000	1.739 (44.17); 1.699 (43.15)	1.375 (34.92)	1.292 (32.82); 1.286 (32.66)	M34 X 1.0-6g 0.100R			1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	
25	1.6250	1.884 (47.85); 1.824 (46.33)	1.500 (38.10)	1.417 (35.99); 1.411 (35.84)	M37 X 1.0-6g 0.100R			1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	

233-290 WALL-MOUNT RECEPTACLE WITH -HS STANDARD HELICOILS OR -HM METRIC HELICOILS



Shell Size	A Thread -1P-.3L- TS-2A	B'	C Bsc	PP	J Thread	L Thread	L' Thread	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	1.039 (26.39); .999 (25.37)	.719 (18.26)	.447 (11.35); .441 (11.20)	M12 X 1.0-6g 0.100R	.112-40 UNC	M3X 0.5	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	.133 (3.38) .123 (3.12)
11	.7500	1.132 (28.75); 1.092 (27.74)	.812 (20.62)	.575 (14.60); .569 (14.45)	M15 X 1.0-6g 0.100R			.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.226 (31.14); 1.186 (30.12)	.906 (23.01)	.687 (17.45); .681 (17.30)	M18 X 1.0-6g 0.100R			.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.289 (32.74); 1.249 (31.72)	.969 (24.61)	.812 (20.62); .804 (20.42)	M22 X 1.0-6g 0.100R			1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	
17	1.1875	1.382 (35.10); 1.342 (34.09)	1.062 (26.97)	.937 (23.80); .930 (23.62)	M25 X 1.0-6g 0.100R			1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.476 (37.49); 1.436 (36.47)	1.156 (29.36)	1.042 (26.47); 1.036 (26.31)	M28 X 1.0-6g 0.100R			1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.582 (40.18); 1.542 (39.17)	1.250 (31.75)	1.167 (29.64); 1.161 (29.49)	M31 X 1.0-6g 0.100R	.138-32 UNC	M4X 0.7	1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	.159 (4.04) .149 (3.78)
23	1.5000	1.739 (44.17); 1.699 (43.15)	1.375 (34.92)	1.292 (32.82); 1.286 (32.66)	M34 X 1.0-6g 0.100R			1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	
25	1.6250	1.884 (47.85); 1.824 (46.33)	1.500 (38.10)	1.417 (35.99); 1.411 (35.84)	M37 X 1.0-6g 0.100R			1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	