



REFERENCE DIMENSIONS, INCH (MM)
ALL DIMENSIONS COMMON FOR PIN AND SOCKET VERSIONS

SIZE	A	C	ØD	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	THREAD	THD LG/DEPTH
13	1.250 (31.75)	.231 (5.90)	.893 (22.58)	.999 (25.37)	1.199 (30.45)	1.514 (38.46)	.216 (5.49)	1.943 (49.45)	.745 (18.91)	.274 (6.99)	.988 (25.01)	.812 (20.62)	1.125 (28.58)	1.195 (30.36)	1.295 (32.79)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	10-24 UNC	.478 (12.14)
15	1.338 (33.99)	.231 (5.90)	1.018 (25.86)	.999 (25.37)	1.199 (30.45)	1.514 (38.46)	.285 (7.24)	1.947 (49.45)	.745 (18.91)	.291 (7.39)	.969 (24.61)	.806 (20.61)	1.219 (30.96)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	1/4-20 UNC	.478 (12.14)
17	1.502 (38.15)	.231 (5.90)	1.204 (30.58)	.999 (25.37)	1.262 (32.05)	1.514 (38.46)	.358 (9.09)	1.947 (49.45)	.745 (18.91)	.310 (7.87)	1.042 (26.47)	.869 (22.03)	1.312 (33.32)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	5/16-18 UNC	.587 (14.86)
19	1.685 (42.80)	.231 (5.90)	1.272 (32.31)	.999 (25.37)	1.325 (33.66)	1.514 (38.46)	.358 (9.09)	1.947 (49.45)	.745 (18.91)	.310 (7.87)	1.042 (26.47)	.869 (22.03)	1.312 (33.32)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	5/16-18 UNC	.715 (18.16)
21	1.654 (42.27)	.231 (5.90)	1.397 (35.48)	1.116 (28.35)	1.442 (36.63)	1.631 (41.43)	.429 (10.90)	2.064 (52.43)	.745 (18.91)	.310 (7.87)	1.042 (26.47)	.869 (22.03)	1.312 (33.32)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	3/8-16 UNC	.715 (18.16)
23	1.654 (42.27)	.231 (5.90)	1.522 (38.66)	1.236 (31.39)	1.656 (42.06)	1.867 (47.42)	.522 (13.26)	2.339 (59.41)	.745 (18.91)	.310 (7.87)	1.042 (26.47)	.869 (22.03)	1.312 (33.32)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	1/2-13 UNC	.793 (20.14)
25	1.735 (44.07)	.231 (5.90)	1.647 (41.83)	1.236 (31.39)	1.656 (42.06)	1.867 (47.42)	.522 (13.26)	2.339 (59.41)	.745 (18.91)	.310 (7.87)	1.042 (26.47)	.869 (22.03)	1.312 (33.32)	1.295 (32.79)	1.312 (33.32)	1.045 (26.68)	1.156 (29.36)	1.562 (39.67)	1.295 (32.79)	1/2-13 UNC	.793 (20.14)

TABLE 1 FINISH

SS	STAINLESS STEEL
RF	ELECTROLESS NICKEL
RW	OLIVE DRAB CADMIUM OVER NICKEL
RB	NICKEL ALUMINIUM BRONZE
ZN	BLACK ZINC NICKEL

TABLE 2 VOLTAGE @ SEA LEVEL (AC - R.M.S.)

SHELL SIZE - CURRENT RATING (A)	AC	DC
13-150 (TBC)	TBC	TBC
15-200 (TBC)	TBC	TBC
17-300 (TBC)	TBC	TBC
19-400 (TBC)	TBC	TBC
21-475 (TBC)	TBC	TBC
23-550 (TBC)	TBC	TBC
25-625 (TBC)	TBC	TBC

TABLE 3 SHELL SIZE TERMINATION CONTACT TERMINATION

SHELL SIZE	TERMINATION	CONTACT TERMINATION
13 - 25	2	THREADED POST
	3	FLAT TAIL / CROSS HOLE
	5	TAPPED HOLE WITH FLATS

TABLE 4 MINOR KEYWAY POSITIONS

KEY POSITION	SIZE 13-15			SIZE 17-25		
	AR	BR	CR	DR	BR	CR
N	105	151	218	246	30	152
A	123	166	192	302	145	180
B	100	153	205	262	59	179
C	63	166	230	265	150	210
D	118	158	198	308	155	190
E	41	151	194	252	39	163

PART NUMBER BREAKDOWN: RAP - 00 RF XX - x x x x 0

ACCESSORY (0 = UNIT MOUNT RECEPTACLE, NO BACKSHELL)
KEYWAY IN: A, B, C, D, E (SEE TABLE 4)
CONTACT MATERIAL: 1 = COPPER, 2 = ALUMINIUM
CONTACT (P OR S)
CONTACT TERMINATION (2 = THREADED POST, 3 = FLAT TAIL, 5 = TAPPED HOLE)

NOTES:

- THIS IS A CUSTOMER PROPOSAL DRAWING. THE ISSUE STATUS OF THIS DRAWING WILL NOT NECESSARILY MATCH THE ISSUE STATUS OF THE PRODUCTION DRAWING FOR THIS PART.
- ALL DIMENSIONS ARE NOMINAL AND FOR REFERENCE ONLY.
- DIMENSIONS SHOWN ARE COMMON FOR PIN AND SOCKET VERSIONS, UNLESS NOTED OTHERWISE.
- TO ORDER THIS PART REMOVE "CPD" FROM PART NUMBER. SEE PART NUMBER BREAKDOWN FOR REFERENCE.
- FOR PANEL CUT OUT DIMENSIONS REFER TO AMPHENOL SPECIFICATION 12,886 003.

Amphenol Limited

DATE: 07/05/2022

DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

TECHNICAL DESCRIPTION: RAPION UNIT MOUNT RECEPTACLE

DATE: 07/05/2022

REV: 1