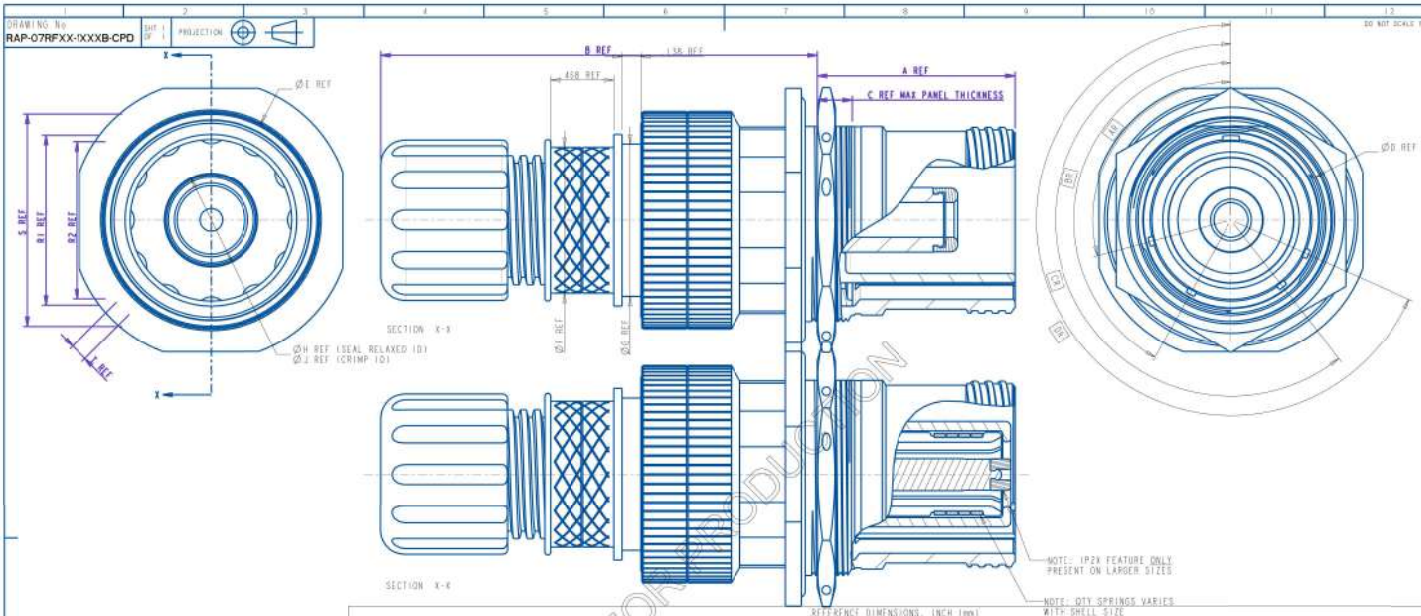
DRAWING No
RAP-07RFXX-1XXXB-CPD

SHT 1 OF 1

PROJECTION

DO NOT SCALE PRINT



REFERENCE DIMENSIONS, INCH [mm]
ALL DIMENSIONS COMMON FOR PIN AND SOCKET VERSIONS

SIZE	A	B	C	ØG	ØE	ØF	ØI	ØH	ØJ	R1	R2	S	T
13	.895 [22.73]	3.215 [81.66]	.237 [6.00]	.893 [22.68]	1.006 [27.58]	.592 [15.04]	.689 [17.50]	.394 [10.01]	.208 [5.28]	.906 [23.01]	.812 [20.62]	1.125 [28.58]	1295 [3.29]
15	1.035 [26.29]	3.215 [81.66]	.237 [6.00]	1.018 [25.86]	1.142 [29.01]	.751 [19.08]	.848 [21.54]	.465 [11.81]	.282 [7.16]	.969 [24.61]	.906 [23.01]	1.219 [30.96]	1295 [3.29]
17	1.175 [29.85]	3.215 [81.66]	.237 [6.00]	1.204 [30.58]	1.398 [35.46]	.841 [21.36]	.941 [23.90]	.536 [13.61]	.356 [9.04]	1.062 [26.97]	.969 [24.61]	1.312 [33.32]	1295 [3.29]
19	1.315 [33.40]	3.215 [81.66]	.237 [6.00]	1.272 [32.31]	1.528 [38.81]	.954 [24.23]	1.019 [25.88]	.625 [15.88]	.448 [11.38]	1.156 [29.36]	1.062 [26.97]	1.438 [36.53]	1295 [3.29]
21	1.455 [36.96]	3.215 [81.66]	.237 [6.00]	1.397 [35.48]	1.599 [40.61]	1.073 [27.25]	1.121 [28.47]	.657 [16.69]	.502 [12.75]	1.250 [31.75]	1.156 [29.36]	1.562 [39.67]	1295 [3.29]
23	1.595 [40.51]	3.335 [84.71]	.237 [6.00]	1.522 [38.66]	1.764 [44.81]	1.198 [30.43]	1.245 [31.62]	.741 [18.82]	.569 [14.45]	1.375 [34.93]	1.250 [31.75]	1.689 [42.90]	1685 [4.28]
25	1.735 [44.07]	3.335 [84.71]	.237 [6.00]	1.647 [41.83]	1.889 [47.98]	1.337 [33.95]	1.384 [35.15]	.807 [20.50]	.638 [16.21]	1.500 [38.1]	1.375 [34.93]	1.812 [46.02]	1685 [4.28]

PART NUMBER BREAKDOWN

RAP - DD RF XX - x X x x B

- SERIES
- SHELL STYLE
- FINISH (SEE TABLE 1)
- SHELL SIZE (SEE TABLE 2)
- ACCESSORY (B = STRAIGHT EMC BACKSHELL, CRIMP CONTACT ONLY)
- KEYWAY (N, A, B, C, D, E) (SEE TABLE 4)
- CONTACT MATERIAL (1 = COPPER, 2 = ALUMINIUM
- CONTACT (P OR S)
- CONTACT TERMINATION (1 = CRIMP, 6,7,8,9 = ALTERNATE CRIMP CHECK AVAILABILITY WITH FACTORY

TABLE 1	FINISH
SS	STAINLESS STEEL
RF	ELECTROLESS NICKEL
OW	OLIVE DRAB CADMIUM OVER NICKEL
RB	NICKEL ALUMINIUM BRONZE
ZN	BLACK ZINC NICKEL

TABLE 2, VOLTAGE @ SEA LEVEL (AC = R.M.S.)	VOLTAGE	
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	CONTACT TERMINATION 1 = STANDARD CRIMP	CONTACT TERMINATION 6 = ALTERNATE CRIMP
13	8 AWG	*CHECK AVAILABILITY
15	4 AWG	*CHECK AVAILABILITY
17	2 AWG	*CHECK AVAILABILITY
19	0 AWG	*CHECK AVAILABILITY
21	00 AWG	*CHECK AVAILABILITY
23	000 AWG	*CHECK AVAILABILITY
25	0000 AWG	*CHECK AVAILABILITY

TABLE 4	MINOR KEYWAY POSITIONS							
KEY POSITION	SIZE 13-15				SIZE 17-25			
	AR	BR	CR	DR	AR	BR	CR	DR
N	105	151	218	245	90	152	206	303
A	123	166	192	307	145	180	210	320
B	100	155	205	262	59	179	210	254
C	63	166	230	265	76	150	210	267
D	129	156	186	308	72	155	190	290
E	61	151	194	252	93	163	207	282

NOTES:

1. 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.
2. ALL DIMENSIONS ARE NOMINAL AND FOR REFERENCE ONLY.
3. DIMENSIONS SHOWN ARE COMMON FOR PIN AND SOCKET VERSIONS, UOS.
4. TO ORDER THIS PART REMOVE "-CPD" FROM PART NUMBER, SEE PART NUMBER BREAKDOWN FOR REFERENCE.
5. FOR PANEL CUT OUT DIMENSIONS REFER TO AMPHENOL SPECIFICATION 123GB-0826.

SURFACE AREA: - INCHES²

ISS	DATE	C NOTE	SIG
A	18/7/21	DRAFT - 1ST	

USED ON

CUSTOMER REF

DRAWING TYPE
PROV/ENGINEER DRAWING

Amphenol Limited
Thanet Way, Whitstable, Kent, CT5 3JF

LIMITS UNLESS OTHERWISE STATED
XX = ±
XXX = ±
ANGLES = ±°

FOR EXPLANATION OF DIMENSIONS TOLERANCES NOTES ETC REFER TO BS. 8888

TECHNICAL DESCRIPTION
RAPTOR BOX MOUNT RECEPTACLE

DIMENSIONS ARE IN INCHES AND APPLY BEFORE PLATING

DRAWN	CHECKED	SCALE
JT		2.000

MATERIAL
SEE PARTS LIST

FINISH
CLEAN

A2

DRAWING No
RAP-07RFXX-1XXXB-CPD

SHT 1 OF 1

ITEM No	PART No	TECHNICAL DESCRIPTION	No OFF

AMPHENOL STANDARD A2 DRAWING BLANK ISSUE 2

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