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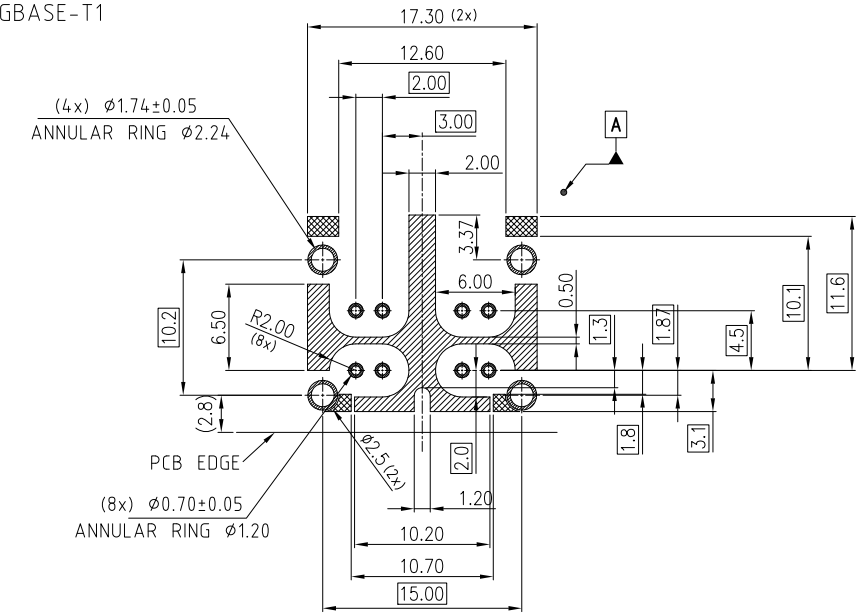
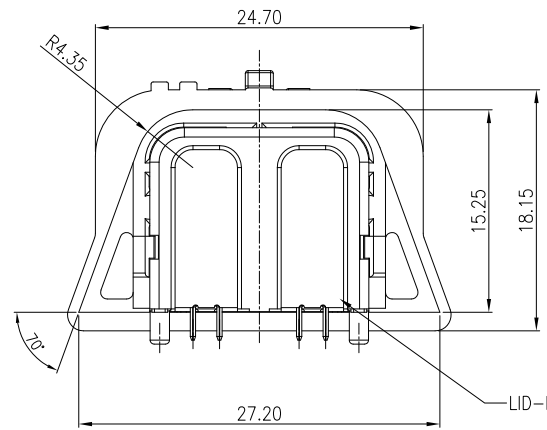
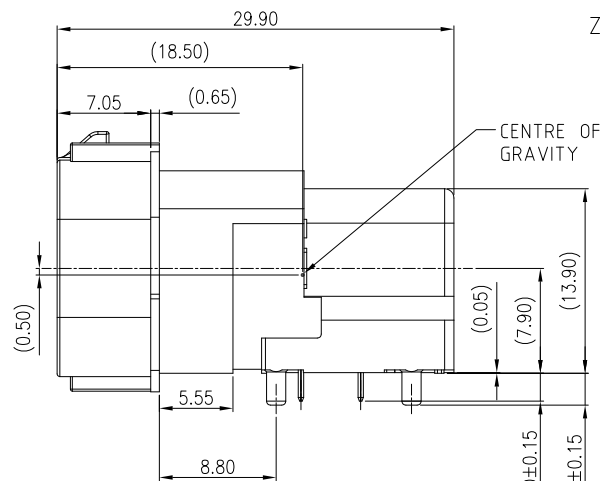
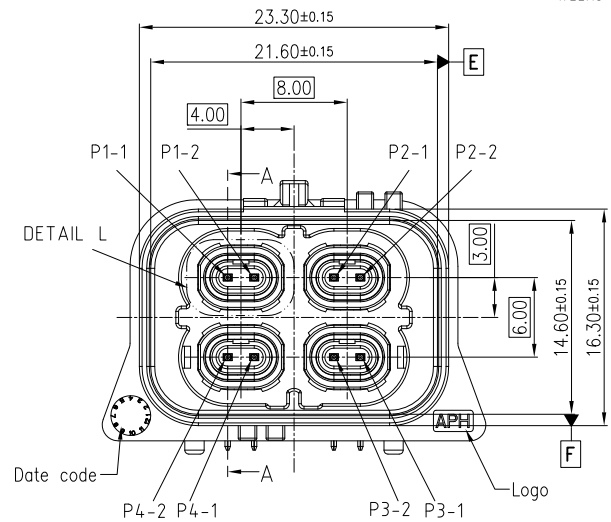
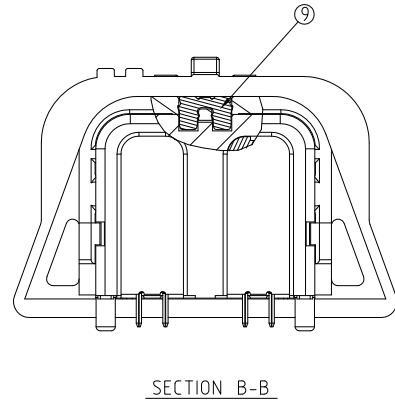
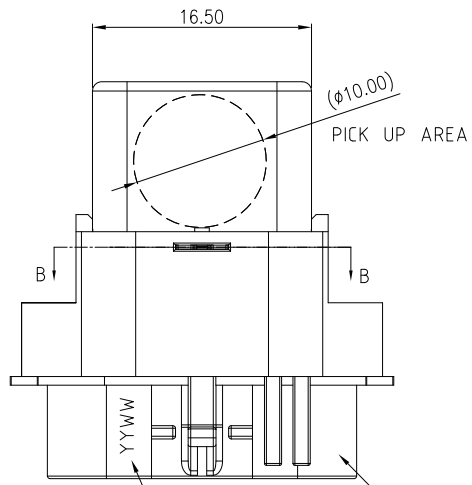
# CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	N/A	FIRST RELEASE	11/16'2021	DAM
2	N/A	UPDATE THE DESCRIPTION OF PRATS	12/20'2022	DAM
3	N/A	ADD DIMENSIONS FOR PCB LAYOUT	02/27'2023	DAM

### NOTES

- MATERIAL(SEE TABLE A)
- GENERAL SPECIFICATION:
  - CURRENT RATING: 1.5A.
  - CONTACT RESISTANCE: 20mΩ MAX.
  - INSULATOR RESISTANCE: 100MΩ MIN.AT V<sub>dc</sub>=500V.T=60S
  - DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC
  - OPERATION TEMPERATURE: -40°C~+105°C
- DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.
- COMPLIANCE WITH OPEN ALLIANCE TC9, IEEE1000BASE-T1, IEEE802.3ch-10GBASE-T1
- BE SUITABLE FOR REFLOW SOLDERING OF TEMPERATURE 260°C 30S.
- REGRIND 0% FOR PLASTIC.
- MARKED  $\triangle$  MEANS PRODUCT SPECIAL CHARACTERISTIC. DIMENSION MARKED  $\nabla$  SHOULD CHECK THE CPK.
- INTERFACE REFER TO USCAR-EWCAP 777-S-008-2-Z01.A.
- ORDER P/N SYSTEM  
VNTBR22X2002SR

CODE OPTION      PACKAGE  
 A:CODE A      R:TAPE REEL  
 B:CODE B  
 C:CODE C  
 D:CODE D  
 ...  
 Z:CODE Z

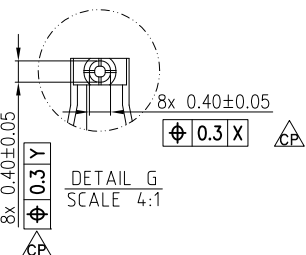
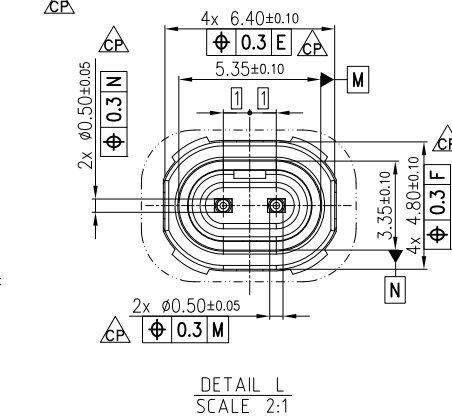
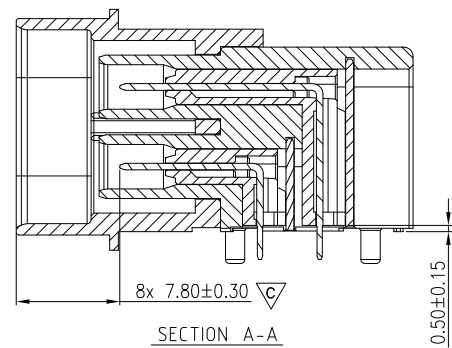
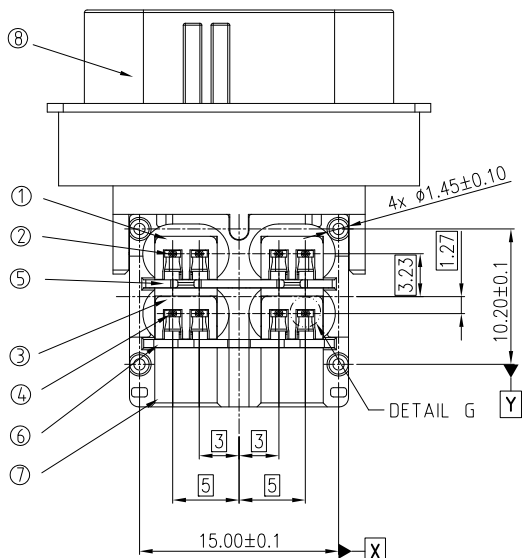


RECOMMENDED PCB LAYOUT THINCKNESS 1.6mm~1.85mm (TOLERANCE ±0.05)  
 ALL THROUGH HOLES  $\phi$  0.05 A

- SOLDER AREA
- KEEP OUT AREA, FREE OF SOLDER, NO ROUTING UNDERNEATH

TABLE A (BOM)

ITEM	COMPONENTS	MATERIAL	QTY
9	BAFFLE	SUS304, T=0.3mm, 1/2H	1
8	HOUSING	PA10T R6130NH, UL94-V0, COLOR: SEE CODING DEFINITION	1
7	DIE CAST	ZINC ALLOY,9~15um Cu UNDER PLATED,1~3um Ni MIDDLE PLATED, 1.25~6um Sn TOP PLATED	1
6	LID-L	C2680, 1~3um Ni UNDER PLATED, 1.25~6um Sn TOP PLATED	1
5	LID-S	C2680, 1~3um Ni UNDER PLATED, 1.25~6um Sn TOP PLATED	1
4	CONTACT-L	C2680, 1~3um Ni UNDER PLATED, Au 0.15um ON MATING AREA, TIN 2~5.08um ON SOLDER AREA	4
3	HOLDER-L	LCP R8530, UL94-V0, BLACK	2
2	CONTACT-S	C2680, 1~3um Ni UNDER PLATED, Au 0.15um ON MATING AREA, TIN 2~5.08um ON SOLDER AREA	4
1	HOLDER-S	LCP R8530, UL94-V0, BLACK	2



HF(无卤)        
 Non-HF(有卤)     

UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X	+/-	0.50
.XX	+/-	0.30
.XXX	+/-	0.20
FRACTIONS	+/-	
ANGLES +/-		3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS

U.S.	INCHES
(METRIC)	(MM)

APPROVAL	DATE
DRAWN Jimmy Min	02/27'23
CHECKED Dam He	02/27'23
CHECKED	
DRAWING FILE :	
ANGLE OF PROJECTION	

Amphenol  
Amphenol East Asia Limited

TITLE  
Ve-NET 2X2 R/A SEALED CONNECTOR, REFER TO USCAR-EWCAP

SIZE	DRAWING NO.	REV.
A3	VNTBR22X2002SR	3
SCALE	NONE	SHEET 1 OF 2

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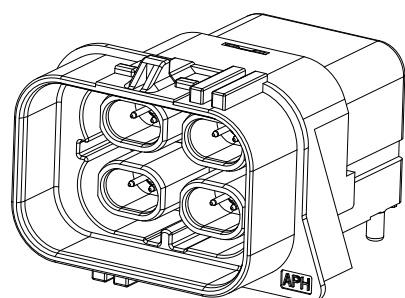
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED

CODING		COLOR	RAL	P/N
A		BLACK	SIM. 9005	VNTBR22A2002SR
B		WHITE	SIM. 9010	VNTBR22B2002SR
C		LIGHT BLUE	SIM. 5012	VNTBR22C2002SR
D		CLARET VIOLET	SIM. 4004	VNTBR22D2002SR
E*		MAY GREEN	SIM. 6017	VNTBR22E2002SR
F*		NUT BROWN	SIM. 8011	VNTBR22F2002SR
G*		PLATINUM GREY	SIM. 7036	VNTBR22G2002SR
H*		LIGHT PINK	SIM. 3015	VNTBR22H2002SR

CODING		COLOR	RAL	P/N
J*		BEIGE	SIM. 1001	VNTBR22J2002SR
K*		CURRY	SIM. 1027	VNTBR22K2002SR
L*		YELLOW GREEN	SIM. 6018	VNTBR22L2002SR
M*		PASTEL ORANGE	SIM. 2003	VNTBR22M2002SR
N*		PASTEL GREEN	SIM. 6019	VNTBR22N2002SR
P*		CARMINE RED	SIM. 3002	VNTBR22P2002SR
R*		SIGNAL BLUE	SIM. 5005	VNTBR22R2002SR
Z		WATER BLUE	SIM. 5021	VNTBR22Z2002SR

(\* ) CODING ON REQUEST



HF(无卤)	√
Non-HF(有卤)	

UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X	+/-	0.50
.XX	+/-	0.30
.XXX	+/-	0.20
FRACTIONS	+/-	
ANGLES	+/-	3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS

U.S.	INCHES
(METRIC)	(MM)

APPROVAL		DATE
DRAWN	Jimmy Min	02/27'23
CHECKED	Dom He	02/27'23
CHECKED		
DRAWING FILE :		
ANGLE OF PROJECTION		

Amphenol		
Amphenol East Asia Limited		
TITLE		
Ve-NET 2X2 R/A SEALED CONNECTOR, REFER TO USCAR-EWCAP		
SIZE	DRAWING NO.	REV.
A3	VNTBR22X2002SR	3
SCALE	NONE	SHEET 2 OF 2