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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	N/A	FIRST RELEASE	02/15'2022	DAM
2	HKXXXX	UPDATE PIN NUMBER	04/20'2022	DAM
3	HKXXXX	ADD SC DEFINITION & D/C; UPDATE DIM.	06/12'2022	DAM
4	HKXXXX	PIN POSITION PCB SIDE CHANGE FROM 0.3 TO 0.2	06/19'2022	DAM
5	HKXXXX	UPDATE PIN NUMBER; ADD CENTRE OF GRAVITY	07/05'2022	DAM
6	HKXXXX	UPDATE PIN NUMBER	07/13'2022	DAM
7	HKXXXX	UPDATE PIN NUMBER	07/22'2022	DAM
8	HKXXXX	ADD BAFFLE	08/02'2022	DAM
9	HKXXXX	UPDATE DRAWING	08/08'2022	DAM
10	HKXXXX	UPDATE DRAWING	09/02'2022	DAM
11	HKXXXX	ADD CPK DIMENSION AND UPDATE CPK SYMBOL	11/10'2022	DAM
12	HKXXXX	ADD DIMENSIONS FOR PCB LAYOUT	02/27'2023	DAM

- NOTES
1. MATERIAL(SEE TABLE A)
 2. GENERAL SPECIFICATION:
 - 2.1 CURRENT RATING: 1.5A.
 - 2.2 CONTACT RESISTANCE: 20mΩ MAX.
 - 2.3 INSULATOR RESISTANCE: 100MΩ MIN.AT Vdc=500V.T=60S
 - 2.4 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC
 - 2.5 OPERATION TEMPERATURE: -40℃~+105℃
 3. MARKED  MEANS PRODUCT SPECIAL CHARACTERISTIC. DIMENSION MARKED  SHOULD CHECK THE CPK.
 4. DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.
 5. COMPLIANCE WITH OPEN ALLIANCE TC9, IEEE1000BASE-T1, IEEE802.3ch-10GBASE-T1
 6. BE SUITABLE FOR REFLOW SOLDERING OF JEDEC J-STD-020D STANDARD.
 7. REGRIND 0% FOR PLASTIC.
 8. Refer to USCAR 777-U-008-2-Z01 INTERFACE DRAWING.
 9. ORDER P/N SYSTEM
VNTBR22X2001SR

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

TABLE A (BOM)

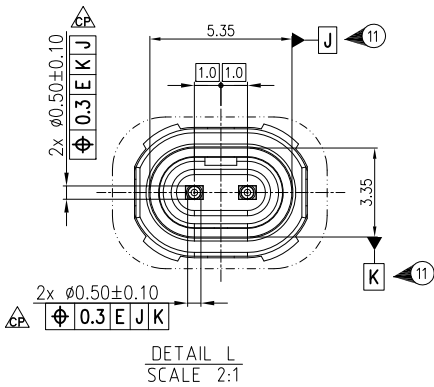
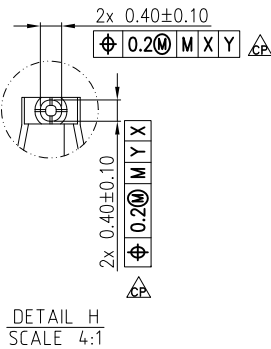
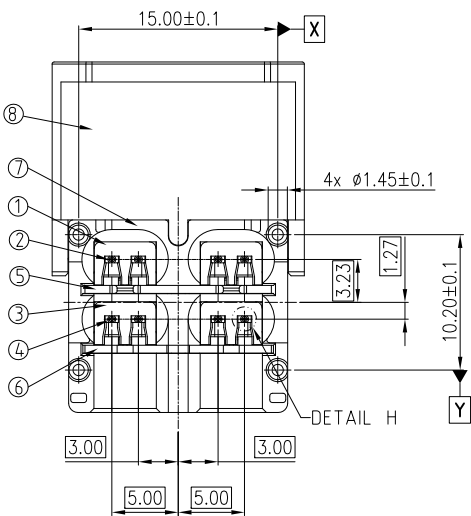
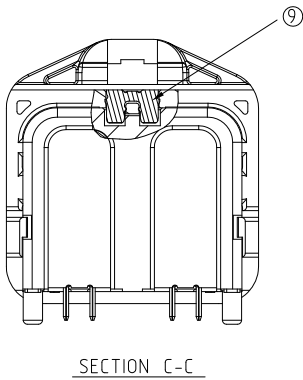
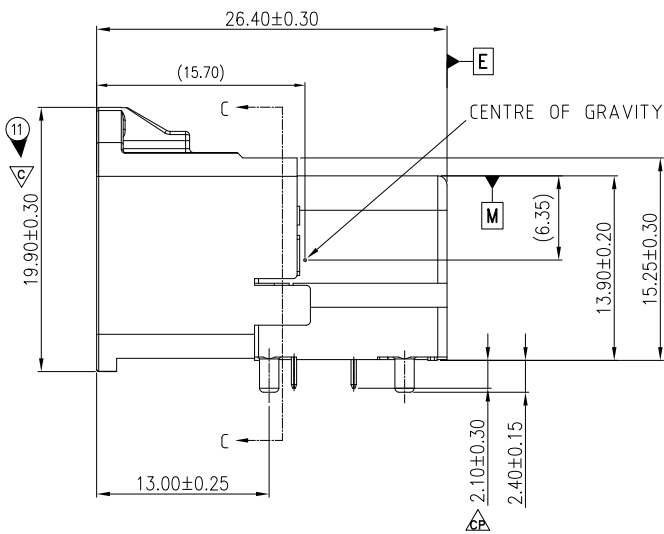
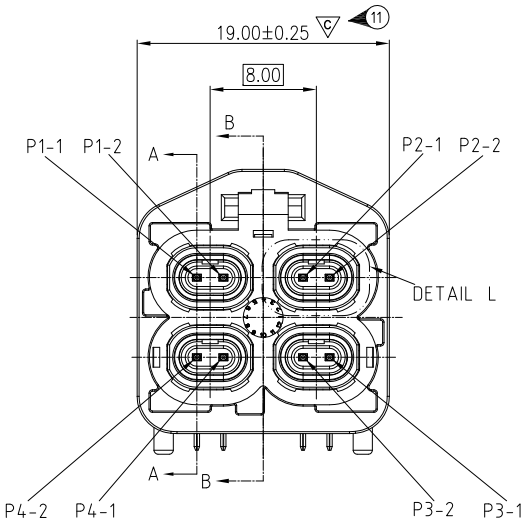
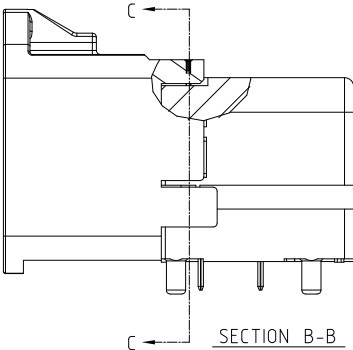
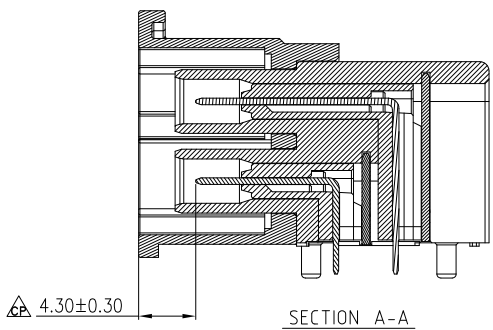
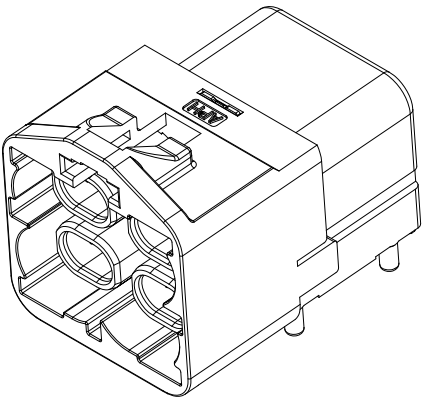
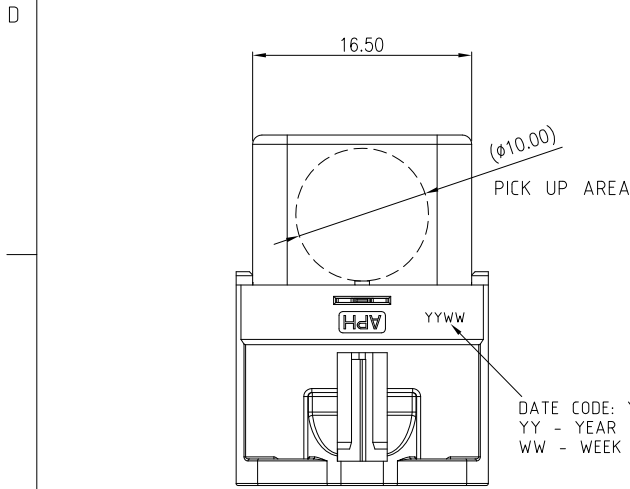
⑨	BAFFLE	SUS304, T=0.3mm, 1/2H	1
⑧	HOUSING	PA10T R6130NH, UL94-V0, COLOR: SEE CODING DEFINITION	1
⑦	DIE CAST	ZINC ALLOY,9~15um Cu UNDER PLATED,1~3um Ni MIDDLE PLATED, 1.25~6um Sn TOP PLATED	1
⑥	LID-L	C2680, 1~3um Ni UNDER PLATED, 1.25~6um Sn TOP PLATED	1
⑤	LID-S	C2680, 1~3um Ni UNDER PLATED, 1.25~6um 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
ITEM	COMPONENTS	MATERIAL	QTY

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
	U.S.	DRAWN Jimmy Min	02/27'22
.X	+/-	CHECKED Dam He	02/27'23
.XX	+/-	CHECKED	
.XXX	+/-		
FRACTIONS	+/-		
ANGLES	+/-		
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :	
REMOVE SHARP EDGES		ANGLE OF PROJECTION	
DIMENSIONS			
U.S.	INCHES		
(METRIC)	(MM)		

Amphenol			
Amphenol East Asia Limited			
TITLE			
Ve-NET 2X2 R/A UNSEALED CONNECTOR			
SIZE	DRAWING NO.		REV.
A3	VNTBR22X2001SR		12
SCALE	NONE	SHEET 1 OF 2	



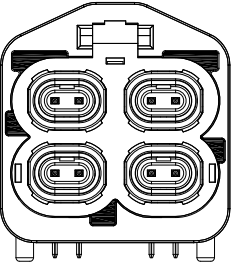
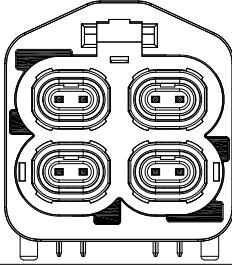
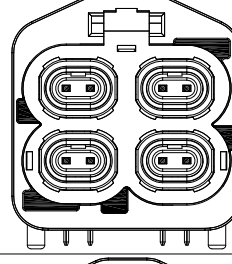
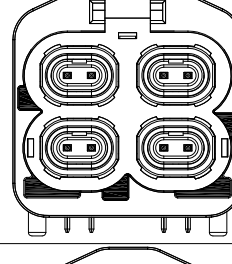
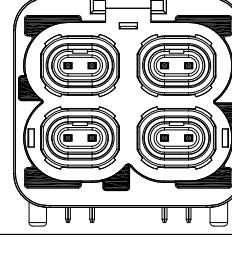
HF(无卤)	√
Non-HF(有卤)	

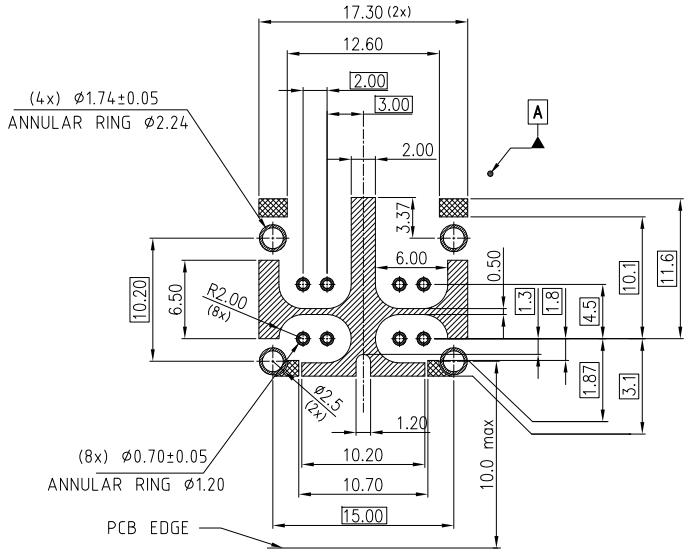


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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED

CODING		COLOR	RAL	P/N
A		BLACK	SIM. 9005	VNTBR22A2001SR
B		WHITE	SIM. 9010	VNTBR22B2001SR
C		LIGHT BLUE	SIM. 5012	VNTBR22C2001SR
D		CLARET VIOLET	SIM. 4004	VNTBR22D2001SR
Z		WATER BLUE	SIM. 5021	VNTBR22Z2001SR

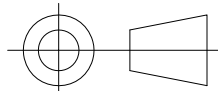
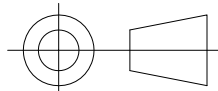


RECOMMENDED PCB LAYOUT THINCKNESS 1.6mm~1.85mm (TOLERANCE ±0.05)
ALL THROUGH HOLES $\varnothing 0.05$ A

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



HF(无卤)	√
Non-HF(有卤)	

UNLESS OTHERWISE SPECIFIED TOLERANCES			APPROVAL		DATE	Amphenol			
U.S. METRIC			DRAWN	Jimmy Min	02/27'23				
.X	+/-	0.50	CHECKED	Dam He	02/27'23	Amphenol East Asia Limited			
.XX	+/-	0.30	CHECKED						
.XXX	+/-	0.20	DRAWING FILE :			TITLE			
FRACTIONS	+/-								
ANGLES	+/-	3°	ANGLE OF PROJECTION			Ve-NET 2X2 R/A UNSEALED CONNECTOR			
FOR MATERIALS AND FINISHES SEE NOTES									
REMOVE SHARP EDGES						SIZE DRAWING NO.			
DIMENSIONS									
U.S.		INCHES				A3		VNTBR22X2001SR	REV. 12
(METRIC)		(MM)				SCALE		NONE	SHEET 2 OF 2