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CUSTOMER DRAWING

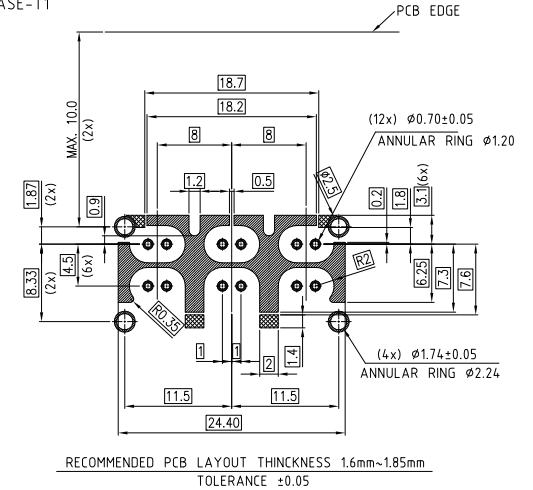
REVISIONS

| SYM | ECN | DESCRIPTION | DATE | APPROVED |
|-----|---------|---|------------|----------|
| 1 | HKXXXX | FIRST RELEASE | 03/15/2022 | DAM |
| 2 | HKXXXX | UPDATE THE PCB LAYOUT | 03/28/2022 | DAM |
| 3 | HKXXXX | UPDATE CODE DEFINITION | 04/07/2022 | DAM |
| 4 | HKXXXX | UPDATE PIN NUMBER | 07/22/2022 | DAM |
| 5 | HKXXXX | UPDATE THE DRAWING FOLLOW USCAR SPCE | 08/25/2022 | DAM |
| 6 | HK10982 | ADD Cpk DIMENSION AND UPDATE Cpk SYMBOL | 11/05/2022 | DAM |
| 7 | HK11316 | MODIFIED DRAWING ACCORD WITH DIE CAST MOLD; UPDATE D/C; MODIFY DIMENSIONS | 02/15/2023 | DAM |

NOTES

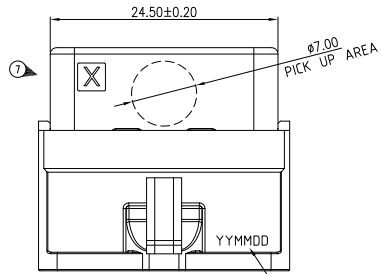
- MATERIAL(SEE TABLE A)
- GENERAL SPECIFICATION:
 - CURRENT RATING: 1.5A.
 - CONTACT RESISTANCE: 20mΩ MAX.
 - INSULATOR RESISTANCE: 100MΩ MIN.AT Vdc=500V.T=60S
 - DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC
 - OPERATION TEMPERATURE: -40°C~+105°C
- DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.
- MARKED Δ MEANS PRODUCT SPECIAL CHARACTERISTIC. DIMENSION MARKED ∇ SHOULD CHECK THE Cpk.
- 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.
- THE INTERFACE COMPLIANT WITH USCAR 777-U-012-2-Z01_A
- ORDER P/N SYSTEM

VNTBR23X 2001SX
 CODE OPTION PACKAGE
 A:CODE A R:TAPE REEL
 B:CODE B T:TRAY
 C:CODE C
 D:CODE D
 ...
 Z:CODE Z

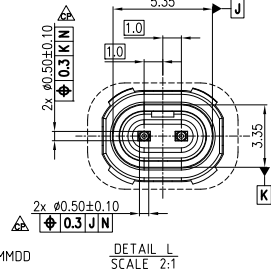


RECOMMENDED PCB LAYOUT THICKNESS 1.6mm-1.85mm
 TOLERANCE ±0.05

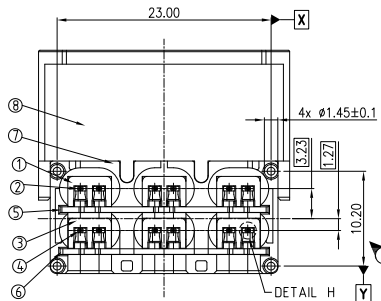
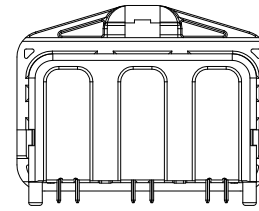
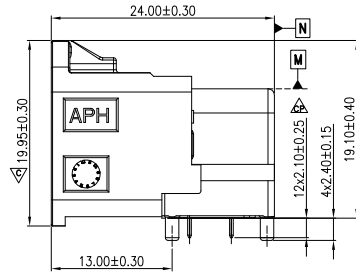
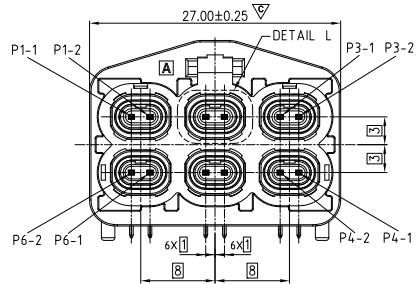
- SOLDER AREA
- KEEP OUT AREA, FREE OF SOLDER, NO ROUTING UNDERNEATH



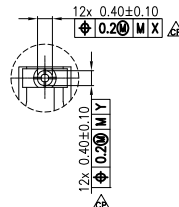
DATE CODE: YYMMDD
 YY - YEAR
 MM - MONTH
 DD - DAY



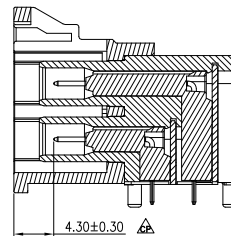
DETAIL L
 SCALE: 2:1



DETAIL H



DETAIL H
 SCALE 4:1



| | |
|------------|---|
| HF(无卤) | ✓ |
| Non-HF(有卤) | |

TABLE A (BOM)

| ITEM | COMPONENTS | MATERIAL | QTY |
|------|------------|---|-----|
| ⑧ | HOUSING | HIGH-TEMP. PLASTIC, UL94-V0, COLOR: SEE CODING DEFINITION | 1 |
| ⑦ | DIE CAST | ZINC ALLOY, TIN PLATED | 1 |
| ⑥ | LID-L | BRASS, TO.60mm, TIN PLATED | 1 |
| ⑤ | LID-S | BRASS, TO.60mm, TIN PLATED | 1 |
| ④ | CONTACT-L | COPPER ALLOY, Au 0.15um ON CONTACT, TIN 2~5.08um ON SOLDER TAIL | 6 |
| ③ | HOLDER-L | HIGH-TEMP. PLASTIC BLACK, UL94-V0 | 3 |
| ② | CONTACT-S | COPPER ALLOY, Au 0.15um ON CONTACT, TIN 2~5.08um ON SOLDER TAIL | 6 |
| ① | HOLDER-S | HIGH-TEMP. PLASTIC BLACK, UL94-V0 | 3 |

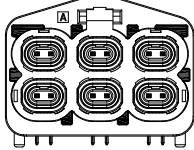
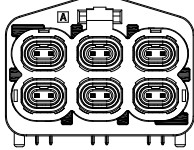
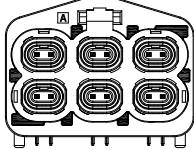
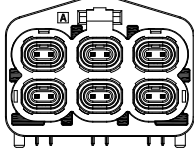
| UNLESS OTHERWISE SPECIFIED TOLERANCES | | APPROVAL | | DATE | MATERIAL |
|---------------------------------------|----------|---------------------|----------|-----------------------------------|--|
| U.S. | METRIC | DRAWN | DATE | DATE | |
| .X | +/- 0.50 | Jackie.Tan | 02/15/23 | 02/15/23 | Amphenol Amphenol East Asia Limited |
| .XX | +/- 0.30 | Dam.He | 02/15/23 | | |
| .XXX | +/- 0.20 | | | | |
| FRACTIONS +/- 3° | | DRAWING FILE : | | TITLE | |
| ANGLES +/- | | ANGLE OF PROJECTION | | Ve-NET 2X3 R/A UNSEALED CONNECTOR | |
| FOR MATERIALS AND FINISHES SEE NOTES | | DIMENSIONS | | SIZE DRAWING NO. | |
| REMOVE SHARP EDGES | | U.S. INCHES | | A3 VNTBR23X2001SR | |
| | | (METRIC) (MM) | | SCALE NONE SHEET 1 OF 2 | |



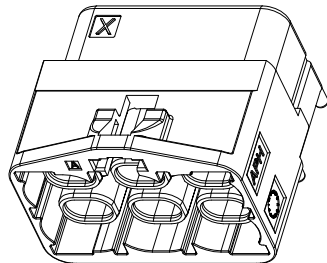
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CUSTOMER DRAWING

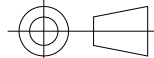
| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| SYM | ECN | DESCRIPTION | DATE | APPROVED |
| | | | | |

| CODING | | COLOR | RAL | P/N |
|--------|--|---------------|-----------|----------------|
| A |  | BLACK | SIM. 9005 | VNTBR23A2001SR |
| | | | | VNTBR23A2001ST |
| B |  | WHITE | SIM. 9010 | VNTBR23B2001SR |
| | | | | VNTBR23B2001ST |
| C |  | LIGHT BLUE | SIM. 5012 | VNTBR23C2001SR |
| | | | | VNTBR23C2001ST |
| D |  | CLARET VIOLET | SIM. 4004 | VNTBR23D2001SR |
| | | | | VNTBR23D2001ST |

| CODING | | COLOR | RAL | P/N |
|--------|---|------------|-----------|----------------|
| E |  | MAY GREEN | SIM. 6017 | VNTBR23E2001SR |
| | | | | VNTBR23E2001ST |
| F |  | NUT BROWN | SIM. 8011 | VNTBR23F2001SR |
| | | | | VNTBR23F2001ST |
| Z |  | WATER BLUE | SIM. 5021 | VNTBR23Z2001SR |
| | | | | VNTBR23Z2001ST |



| | |
|------------|---|
| HF(无卤) | √ |
| Non-HF(有卤) | |

| | | | |
|--------------------------------------|-------------|---|---------------------|
| UNLESS OTHERWISE SPECIFIED | | APPROVAL | DATE |
| TOLERANCES | | DRAWN | Jackie.Tan 02/15'23 |
| .X | +/- 0.50 | CHECKED | Dam.He 02/15'23 |
| .XX | +/- 0.30 | CHECKED | |
| .XXX | +/- 0.20 | | |
| FRACTIONS | +/- | | |
| ANGLES | +/- 3° | | |
| FOR MATERIALS AND FINISHES SEE NOTES | | DRAWING FILE : | |
| REMOVE SHARP EDGES | | ANGLE OF PROJECTION | |
| DIMENSIONS | |  | |
| U.S. (METRIC) | INCHES (MM) | | |

| | |
|-----------------------------------|----------------|
| Amphenol | |
| Amphenol East Asia Limited | |
| TITLE | |
| Ve-NET 2X3 R/A UNSEALED CONNECTOR | |
| SIZE | DRAWING NO. |
| A3 | VNTBR23X2001SR |
| SCALE | NONE |
| SHEET | 2 OF 2 |
| REV. | 7 |