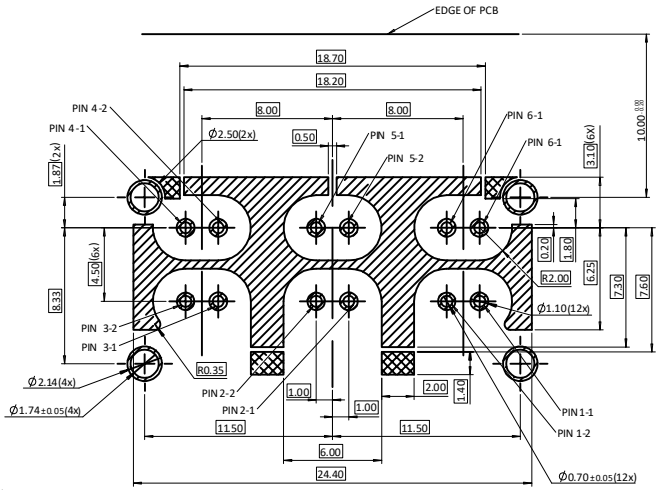
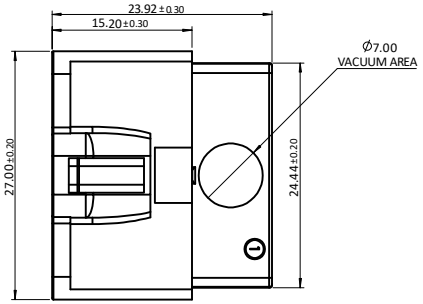
APPROVED: _____

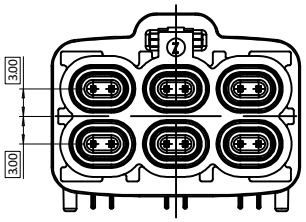
DATE: _____ TITLE: _____

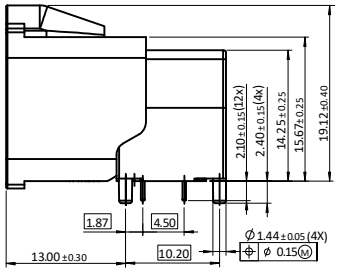
| Rev | AWO # | Description | Date | Appr |
|---|---|---|---|---|
| - | | RELEASED | 7/17/24 | |
| A | | UPDATE DRAWING | 8/25/25 | WY/RC |

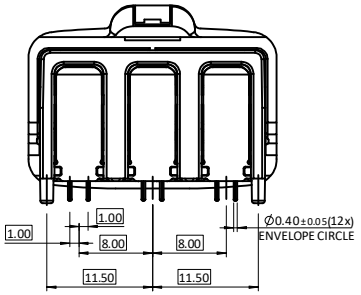



RECOMMENDED PCB LAYOUT




**SPECIFICATIONS:**

**Material:**
Coding Housing: PA, Color: See Page2
Inner Housing: Thermoplastic, Color: Black
Contacts: Copper Alloy
Outer Contact: Zinc Alloy, 80–200u" Tin Plated
Ground Pin: Copper Alloy, 80–160u" Tin Plated

**Contact Plating:**
Contact area: 6u" Gold Plated
Solder tails area: 80–160u" Tin Plated
Underplate: 80–160u" Nickel underplate overall

**Electrical:**
Voltage rating: 60V DC Max
Current rating: 1.5A max
Contact resistance: 10 Mohms max
Insulation resistance: 100 Mohms min
Dielectric withstanding voltage: 250V rms
Impedance: 100Ω
Frequency Range: DC to 10 GHz
Return loss: ≥30 dB, 0.01 GHz to 3 GHz
≥25 dB, 3 GHz to 6 GHz
≥20 dB, 6 GHz to 10 GHz
≥15 dB, 10 GHz to 15 GHz
≥12 dB, 15 GHz to 20 GHz

**Mechanical:**
Durability: 25 Cycles
Engagement force: 90N max
Retention force: 110N min
Coding efficiency :225N Min

**Environmental:**
Thermal shock & Mechanical shock & Humidity & Vibration: USCAR–2 & USCAR–17
DIN EN 60512 & DIN IEC 60068

**Temperature Rating:**
Operating temperature: –40°C to +105°C

**Packing:**
Standard: 70 pcs in tape & reel

**Environmental:**
Lead free, RoHS compliant RoHS COMPLIANT

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM X. ± 0.50, .X ± 0.30, .XX ± 0.20 ANGLE ± 5°

| | | |
|---|---|---|
| DRAWN | LH | 7/17/24 |
| CHECKED | JL | 7/17/24 |
| APPROVED | | |


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METABEE

TITLE
HIGH-SPEED MODULAR TWISTED-PAIR DATA RIGHT ANGLE PLUG 2X3, 56Gbps

| SIZE | PART NO. | REV. |
|---|---|---|
| X | HTX-06XDBLC1R | A |

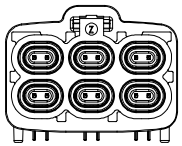
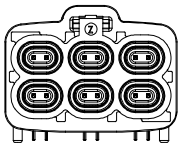
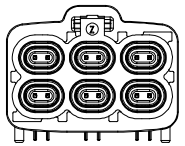
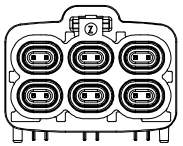
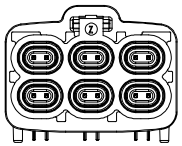
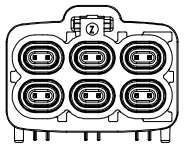
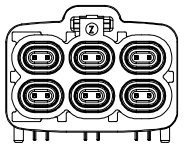
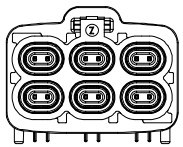
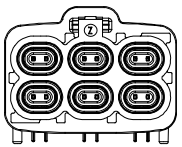
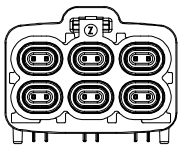
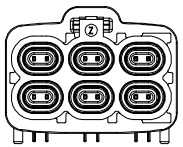
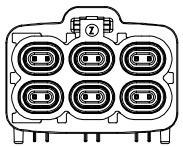
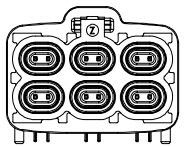
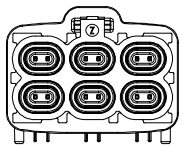
REF: S00013T | SCALE: NTS | SHEET 1 OF 2

| Rev | AWO # | Description | Date | Appr |
|---|---|---|---|---|
| SEE SHT 1 OF 2 FOR REVISION | | | | |

APPROVED: _____

DATE: _____ TITLE: _____

HTX-06XDBLC1R

| Coding | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| Plug |  |  |  |  |  |  |  |
| Color | Jet Black | Pure White | Light Blue | Claret Violet | May Green | Nut Brown | Platinum Grey |
| Coding | H | J | K | L | M | O | Z |
| Plug |  |  |  |  |  |  |  |
| Color | Light Pink | Beige | Curry | Yellow Green | Pastel Orange | Light Green | Water Blue |

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM X. ± 0.50 .X ± 0.30 .XX ± 0.20 ANGLE ± 5°

| | | |
|---|---|---|
| DRAWN | LH | 7/17/24 |
| CHECKED | JL | 7/17/24 |
| APPROVED | | |

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Tel: +8615926241606 E-mail: Sales@metabeeai.com

TITLE
HIGH-SPEED MODULAR TWISTED-PAIR DATA RIGHT ANGLE PLUG 2X3, 56Gbps

| SIZE | PART NO. | REV. |
|---|---|---|
| X | HTX-06XDBLC1R | A |

| REF: | SCALE: | SHEET |
|---|---|---|
| S00013T | NTS | 2 OF 2 |