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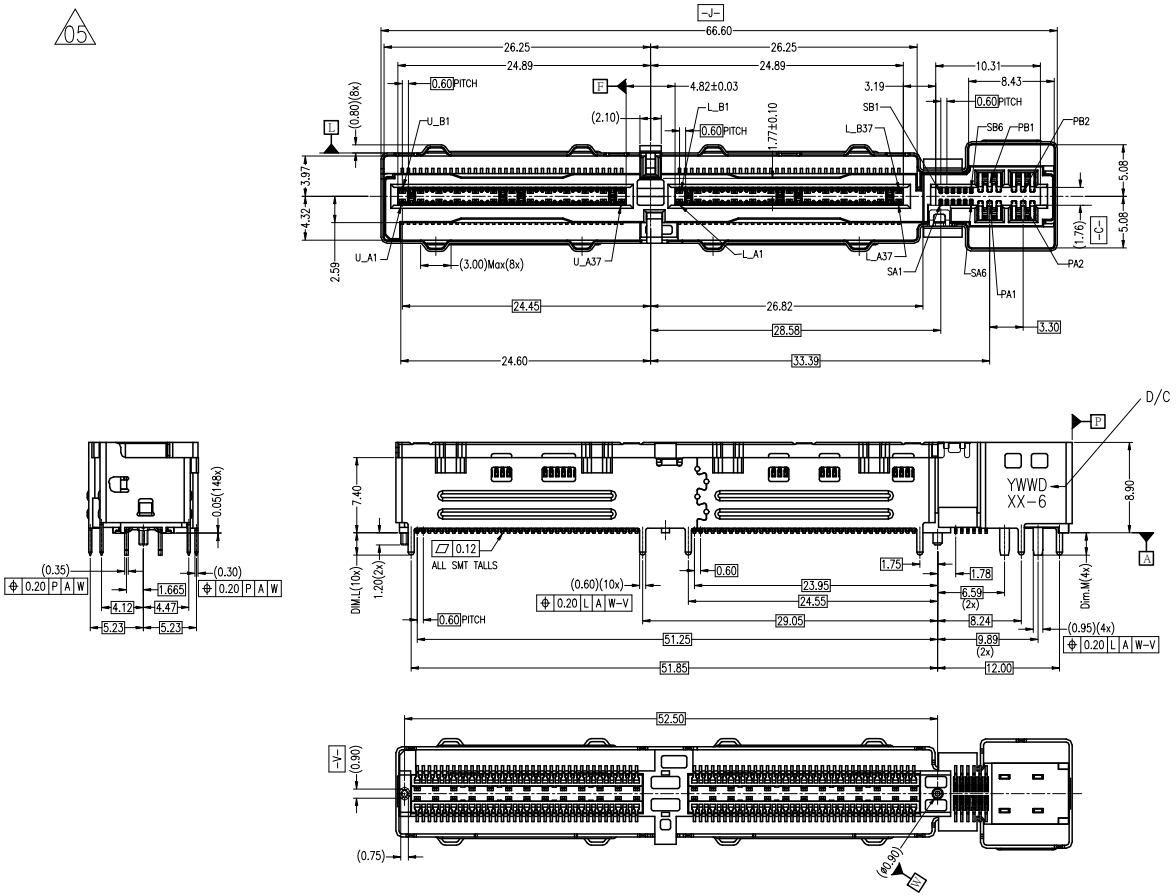
CUSTOMER DRAWING

DRWC-015052

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
03		FIX THE VIEW AND MODIFY THE PLASTIC COLUMNS	Ronnie	Ray	07/15/2025
04		MODIFY DRAWING	Ronnie	Ray	09/22/2025
05		MODIFY DRAWING	Sam	Ray	11/17/2025



CAP DIMENSIONS
SCALE 1:2

SECTION C-C

SECTION B-B

SECTION A-A

NOTES:
1.Materials:
1.1 HOUSING: LCP, Color: Black
1.2 MOLDING: LCP, Color: Black
1.3 CAP: LCP, Color: Black
1.4 Terminals: Copper alloy, T=0.20±0.01mm
1.5 POWER Terminals: Copper alloy, T=0.35MM
1.6 Sideband Terminals: Copper alloy, T=0.20MM
1.7 Ground bar: Copper alloy, T=0.10MM
1.8 Shell: Stainless T=0.30mm
2.Electroplating:
Shell: Entirely plated with weldable nickel 50U" Min.
Terminals: Entirely nickel-plated base 50u" Min;
Contact area gold-plated 30u" Min; Soldering area gold-plated 1u" Min.
POWER Terminals: Entirely nickel-plated base 50u" Min;
Contact area gold-plated 30u" Min;Soldering area tin-plated 100u" Min.
Sideband Terminals: Entirely nickel-plated base 50u" Min;
Contact area gold-plated 30u" Min;Soldering area tin-plated 100u" Min.
3.The gap between terminals, solder leg position, and flatness dimensions should be measured 100%.
4.V-CUT or tape cutting position burr 0.08MAX.
5.The product complies with the standards of ROSH2002/95/EC and environmental protection 2000/53/EC.
6.The product complies with the standards of SFF-TA-1033 Rev1.0.
7.Date Code:
Y WW D
D: Date Code (day of the week, 1 to 7)
WW: Week Code (which week of the year)
Y: Year Code (last digit of the year)
Example: April 22, 2015, has a date code of 5173.
XX-6:Contact Defined, 6:Gen6
HS: Full High Speed
SB: With Side Band
8.Insertion Loss: -0.25dB@16GHz
9.Terminals defined as GND in SFF-TA-1033 are common together
10.All pin definitions comply with Association Specification SFF-TA-1033.

P947 X XXX 4 6 X 2-0
- Multi-Trak Series
- Connector Pin Type: B:Gen6; Full HS; C:Gen6; With SB
- Pin Count: 164:164 Pin(16X+21A); 172:172 Pin(16X+55A)
- Connector Style: 4:Vertical Type
- Contact Finish: 6:Au 30μ", Solder Tail:Gold-Plated
- Shell Pin Length, Power Pin Length: 1. DIM.S: 2.20mm, DIM.P: 2.20mm; 2. DIM.S: 3.00mm, DIM.P: 3.00mm; 3. DIM.S: 3.00mm, DIM.P: 3.70mm
- Packing Code: 2:Tape & Reel

RoHS COMPLIANT
HALOGEN FREE

Unit:mm(inch)
GENERAL TOLERANCES: (UNLESS SPECIFIED)
0 =±1 (0.039)
0.0 =±.5 (0.02)
0.00 =±.3 (0.012)
0.000=±.15(0.006)
0° =± 2°
0.0° =± 1°

PROJECTION

D.R. 06/16/2025 Ronnie
CH.K 06/16/2025 Jason_Liu
APV.D 06/16/2025 Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo X16+21A Power Connector

PD./FILE NO. XXXXXXXXX
X-XXXX

SCALE 1:1 | SIZE A4 | PART NO. P947X16446X2-0 | REV. 05 | SHEET 1 OF 3

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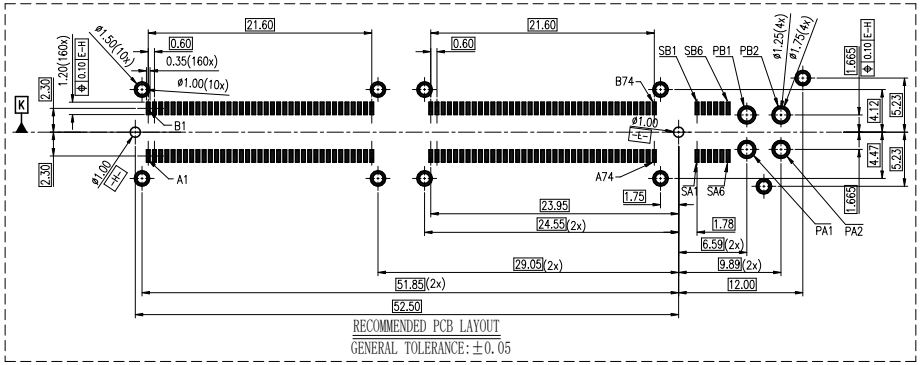

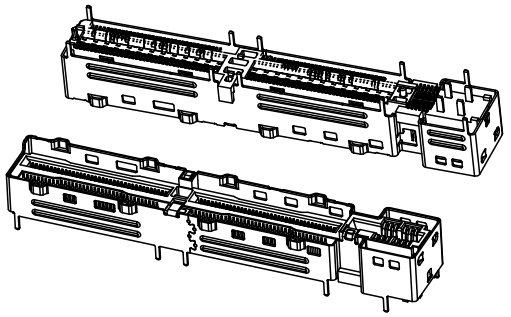

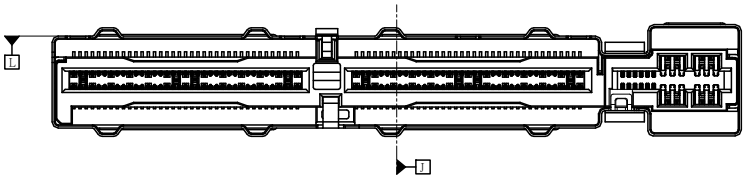

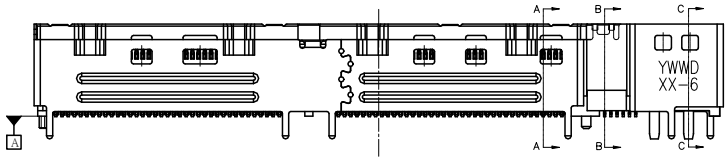

RoHS COMPLIANT

HALOGEN FREE

Unit:mm(inch)

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0.000=±.15(0.006)
0° =± 2°
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PROJECTION

D.R. 06/16/2025 Ronnie
CH.K 06/16/2025 Jason_Liu
APV.D 06/16/2025 Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo X16+21A Power Connector

PD./FILE NO. XXXXXXXXX
X-XXXX

SCALE 1:1 | SIZE A4 | PART NO. P947X16446X2-0 | REV. 05

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CUSTOMER DRAWING

DRWC-015052

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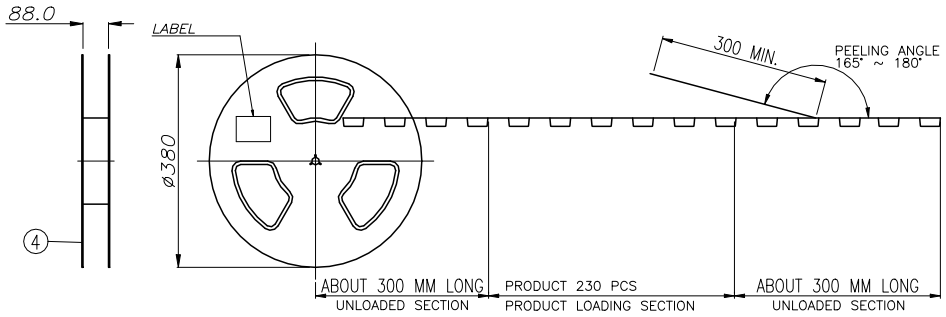
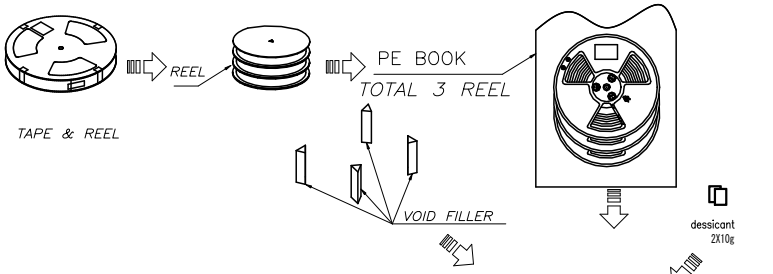
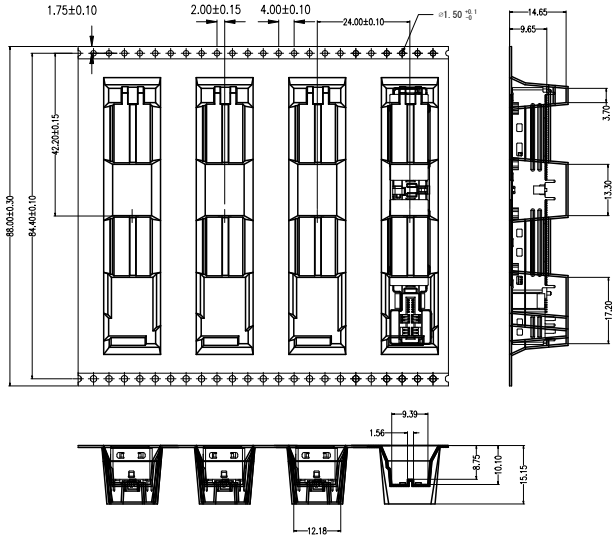
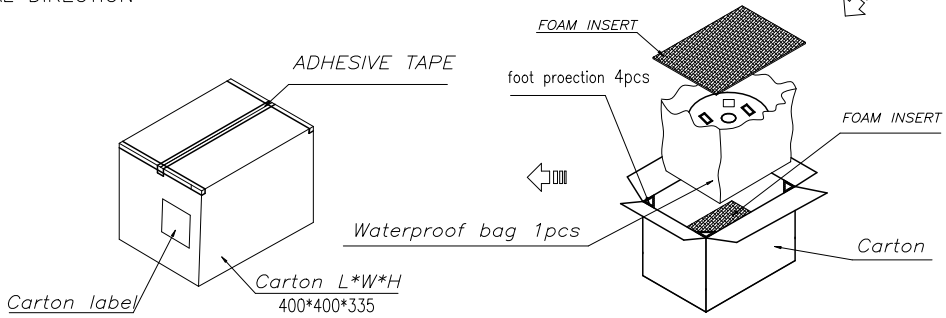




INPUT MATERIAL DIRECTION

GATHER MATERIAL DIRECTION





Notes:

1.For this product, a full box contains 690 pieces = 1 box (each box is packed with 3 reels, and each reel contains 230 pieces).

2.Cover tape peeling strength: 20gf~130gf at a speed of 300mm/Min

RoHS COMPLIANT

HALOGEN FREE

Unit:mm(inch)

GENERAL TOLERANCES: (UNLESS SPECIFIED)
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JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo X16+21A Power Connector

PD./FILE NO. XXXXXXXXX

X-XXXX

SCALE 1:1 | SIZE A4 | PART NO. P947X16446X2-0

REV. 05

SHEET 3 OF 3