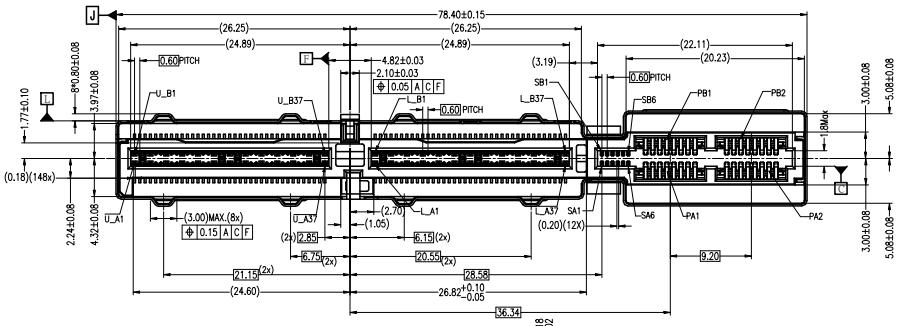
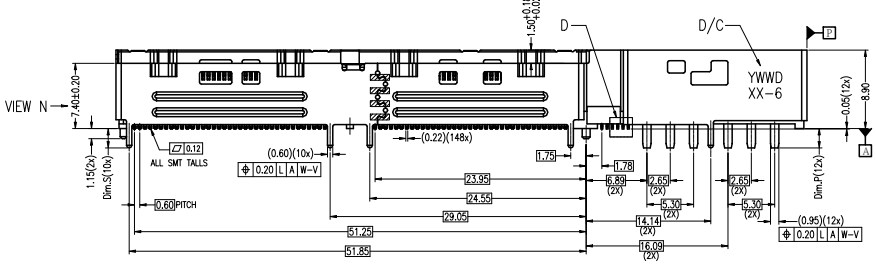
THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF JPC connectivity Inc.(JPC)

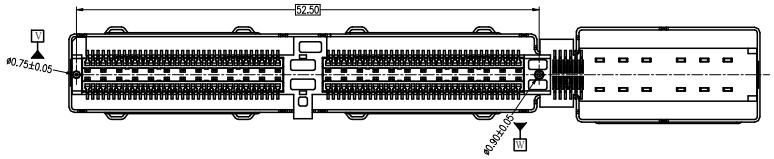
CUSTOMER DRAWING

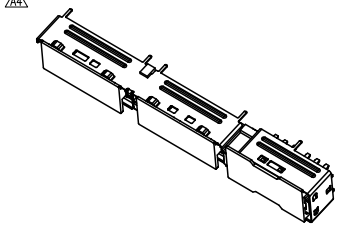
DRWC-013549

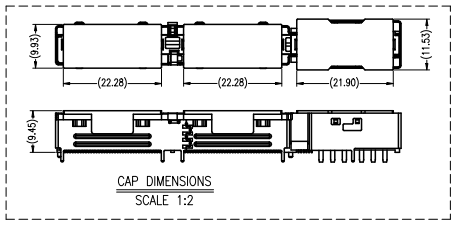
REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
A2		APPROVED DESIGN:MODIFY DESIGN	Sam	Ray	11/17/2025
A3		APPROVED DESIGN:MODIFY DRAWING	Ronnie	Ray	08/06/2026
A4		APPROVED DESIGN:ADD POWER PIN CAP	Ronnie	Ray	09/22/2026



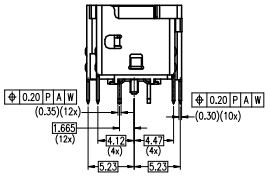




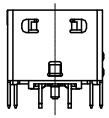




CAP DIMENSIONS
SCALE 1:2



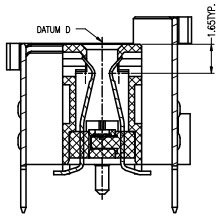
VIEW N
SCALE 1:1



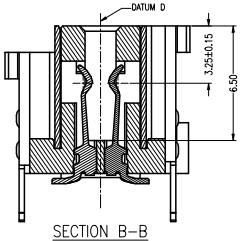


DETALL D
SCALE 2:1

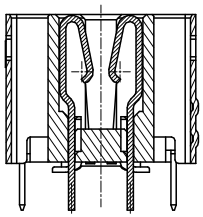




SECTION A-A
SCALE 2:1



SECTION B-B
SCALE 2:1



SECTION C-C
SCALE 2:1

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.	02/07/2025	Sam
CH.K	02/07/2025	Jason_Liu
APV.D	02/07/2025	Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo 16X+55A Power Connector

PD./FILE NO.: XXXXXXXXX

X-XXXX

SCALE	SIZE	PART NO.	REV.
NA	A4	P947X17246X2-0	A4

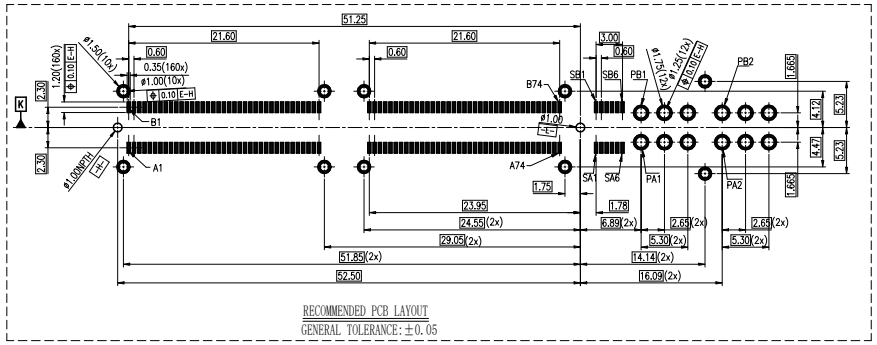
SHEET 1 OF 4

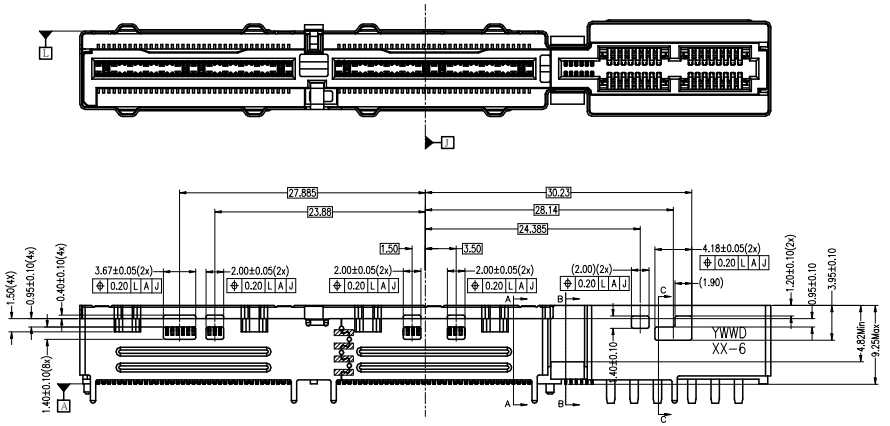
THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF JPC connectivity Inc.(JPC)

CUSTOMER DRAWING

DRWC-013549

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
A2		APPROVED DESIGN:MODIFY DESIGN	Sam	Ray	11/17/2025
A3		APPROVED DESIGN:MODIFY DRAWING	Ronnie	Ray	08/06/2026
A4		APPROVED DESIGN:ADD POWER PIN CAP	Ronnie	Ray	09/22/2026





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
- Packing Code: 2:Tape & Reel
- 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

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.	02/07/2025	Sam
CH.K	02/07/2025	Jason_Liu
APV.D	02/07/2025	Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo 16X+55A Power Connector

PD./FILE NO.: XXXXXXXXX
X-XXXX

SCALE	SIZE	PART NO.	REV.
NA	A4	P947X17246X2-0	A4

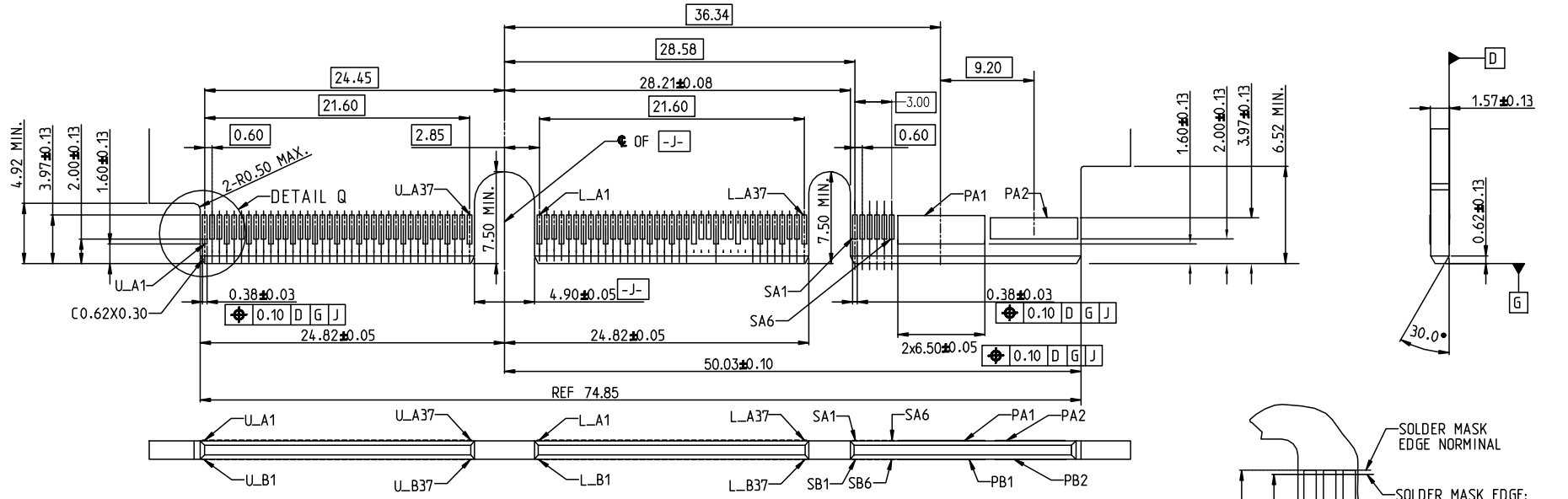
SHEET 2 OF 4

THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF JPC connectivity Inc.(JPC)

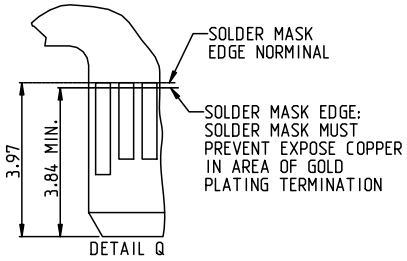
CUSTOMER DRAWING

DRWC-013549

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
A2		APPROVED DESIGN:MODIFY DESIGN	Sam	Ray	11/17/2025
A3		APPROVED DESIGN:MODIFY DRAWING	Ronnie	Ray	08/06/2026
A4		APPROVED DESIGN:ADD POWER PIN CAP	Ronnie	Ray	09/22/2026



NOTE: POSITION A1 ON OPPOSITE SIDE OF CARD OF B1



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.	02/07/2025	Sam
CH.K	02/07/2025	Jason_Liu
APV.D	02/07/2025	Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo 16X+55A Power Connector

PD./FILE NO.: XXXXXXXXX

X-XXXX

SCALE	SIZE	PART NO.	REV.
NA	A4	P947X17246X2-0	A4

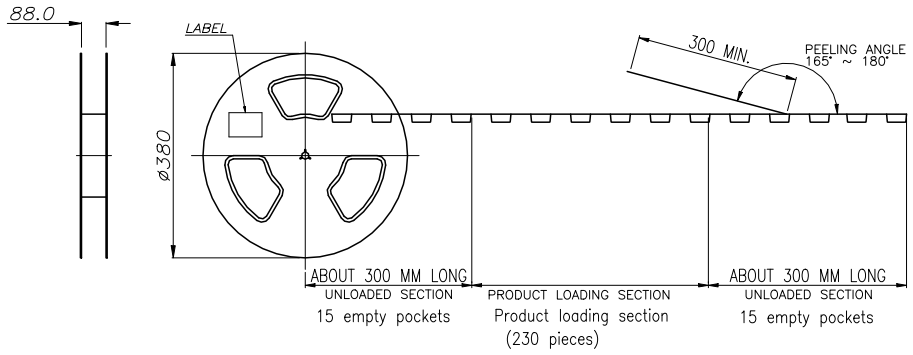
SHEET 3 OF 4

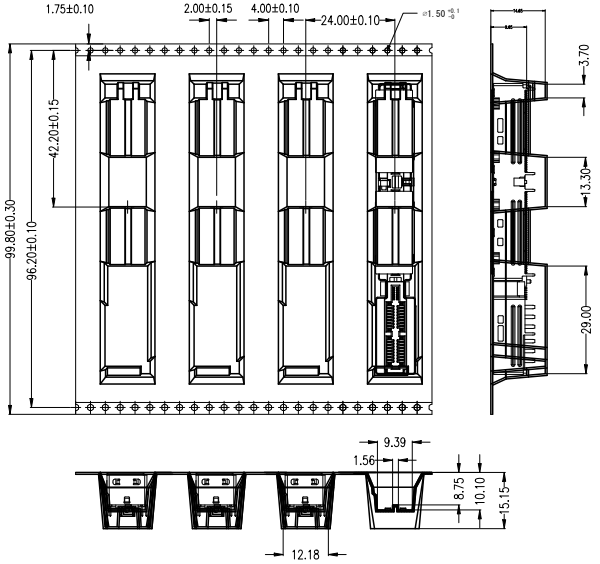
THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF JPC connectivity Inc.(JPC)

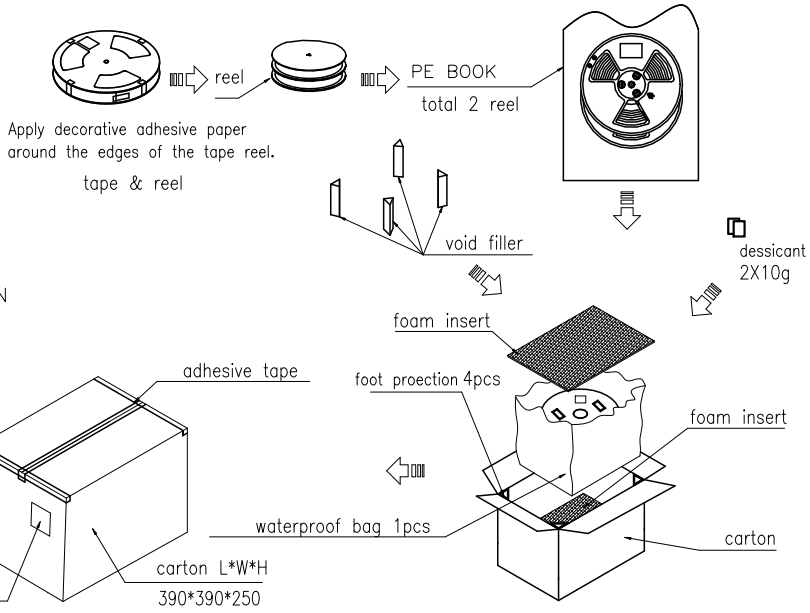
CUSTOMER DRAWING

DRWC-013549

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
A2		APPROVED DESIGN:MODIFY DESIGN	Sam	Ray	11/17/2025
A3		APPROVED DESIGN:MODIFY DRAWING	Ronnie	Ray	08/06/2026
A4		APPROVED DESIGN:ADD POWER PIN CAP	Ronnie	Ray	09/22/2026







Notes:
1. For this product, a full box contains 460 pieces = 1 box (each box is packed with 2 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)
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. 02/07/2025 Sam
CH.K 02/07/2025 Jason_Liu
APV.D 02/07/2025 Ray

JPC connectivity

TITLE: Multi-Trak Gen6 Vertical Combo 16X+55A Power Connector

PD./FILE NO. XXXXXXXXX
X-XXXX

SCALE NA | SIZE A4 | PART NO. P947X17246X2-0 | REV. A4 | SHEET 4 OF 4