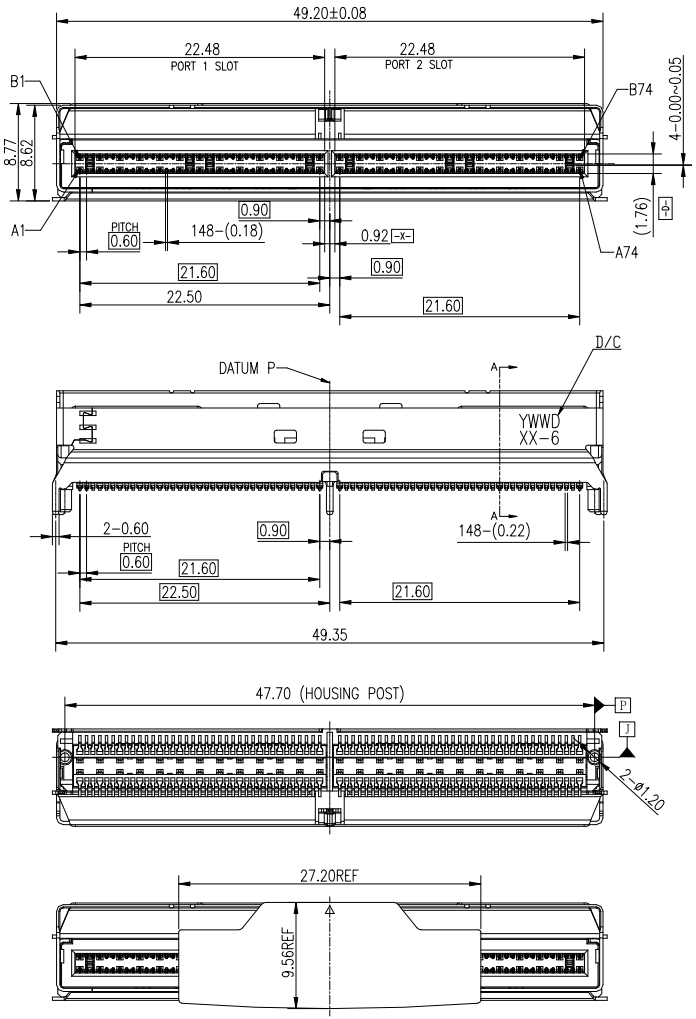
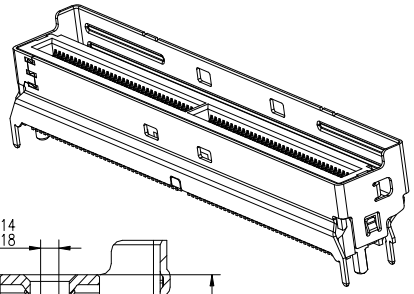
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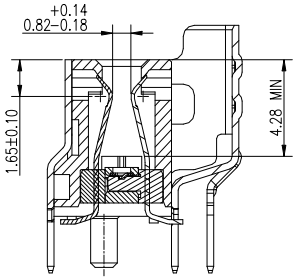
CUSTOMER DRAWING

DRWC-018087

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
01		INITIAL DESIGN	Jason	Ray	03/06/2026
02		MOFIFY TXT.	Kuroo	Ray	03/12/2026







SECTION A-A
(SCALE 2:1)

NOTES:
1.MATERIALS:
HOUSING:HIGH TEMPERATURE THERMOPLASTIC,UL 94-V0,COLOR:BLACK
TERMINAL:COPPER ALLOY
SHELL:STAINLESS STEEL
GEN BAR :COPPER ALLOY
2.FINISH
TERMINAL:
CONTACT AREA:GOLD PLATING
SOLDER AREA :GOLD FLASH
UNDER PLATING:NICKEL PLATED 50u"MIN.OVER ALL
SHELL:NICKEL PLATER 50u"MIN.OVERALL
3.DATE CODE LOCATION SHOWN, DATE CODE FORMAT: YWWD
Y: LAST ONE DIGIT OF THE YEAR
WW: ONE CERTAIN WEEK OF THE YEAR
D: ONE DAY OF THE WEEK
BAND:XX-6
HS:FULL HIGH SPEED
6: GEN 6
RATING:
CURRENT: 1.1A PER PIN UP TO 6 PAIRS
VOLTAGE: 30V DC PER CPNTACT
TEMPERATURE:
OPERATING: -40°C ~ 105°C
NON-OPERATING: -55°C ~ 105°C

P948 B 148 4 6 2 2 - 0

MCIO SERIES

CONNECTOR PIN TYPE:
B: GEN6; FULL HS

PIN COUNT:
148:148 PIN

CONNECTOR STYLE:
4:VERTICAL TYPE

PACKAGE CODE:
2:TAPE & REEL

SHELL PIN LENGTH; POST PIN LENGTH
2:DIM.S=2.20mm; DIM.P=2.00mm

CONTACT FINISH:
6:Au 30μ"; SOLDER TAIL: GOLD PLATED

RoHS COMPLIANT

HALOGEN FREE

Unit:mm(inch)

GENERAL TOLERANCES: (UNLESS SPECIFIED)
0 =±1 (0.039)
0.0 =±.5(0.020)
0.00 =±.3(0.012)
0.000=±.15(0.006)
0° =± 2°
0.0° =± 1°

PROJECTION

D.R.	03/06/2026	Jason
CH.K	03/06/2026	Rita_Chan
APV.D	03/06/2026	Ray

JPC connectivity

TITLE: MCIO Gen6 24X 148 Pin Vertical Connector

PD./FILE NO.: XXXXXXXXX

X-XXXX

SCALE	SIZE	PART NO.	REV.
NA	A4	P948B1484622-0	02

SHEET 1 OF 3

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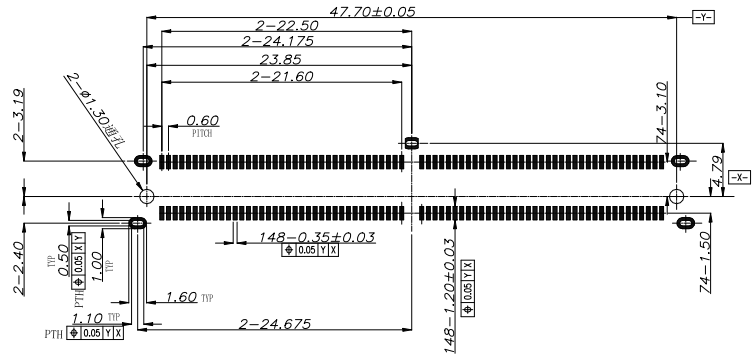
CUSTOMER DRAWING

DRWC-018087

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
01		INITIAL DESIGN	Jason	Ray	03/06/2026
02		MOFIFY TXT.	Kuroo	Ray	03/12/2026

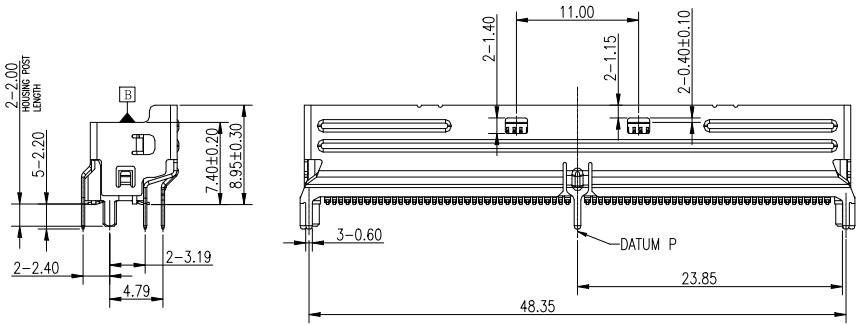
B37	GND	A37	GND
B36	SIGNAL	A36	SIGNAL
B35	SIGNAL	A35	SIGNAL
B34	GND	A34	GND
B33	SIGNAL	A33	SIGNAL
B32	SIGNAL	A32	SIGNAL
B31	GND	A31	GND
B30	SIGNAL	A30	SIGNAL
B29	SIGNAL	A29	SIGNAL
B28	GND	A28	GND
B27	SIGNAL	A27	SIGNAL
B26	SIGNAL	A26	SIGNAL
B25	GND	A25	GND
B24	SIGNAL	A24	SIGNAL
B23	SIGNAL	A23	SIGNAL
B22	GND	A22	GND
B21	SIGNAL	A21	SIGNAL
B20	SIGNAL	A20	SIGNAL
B19	GND	A19	GND
B18	SIGNAL	A18	SIGNAL
B17	SIGNAL	A17	SIGNAL
B16	GND	A16	GND
B15	SIGNAL	A15	SIGNAL
B14	SIGNAL	A14	SIGNAL
B13	GND	A13	GND
B12	SIGNAL	A12	SIGNAL
B11	SIGNAL	A11	SIGNAL
B10	GND	A10	GND
B09	SIGNAL	A09	SIGNAL
B08	SIGNAL	A08	SIGNAL
B07	GND	A07	GND
B06	SIGNAL	A06	SIGNAL
B05	SIGNAL	A05	SIGNAL
B04	GND	A04	GND
B03	SIGNAL	A03	SIGNAL
B02	SIGNAL	A02	SIGNAL
B01	GND	A01	GND

B74	GND	A74	GND
B73	SIGNAL	A73	SIGNAL
B72	SIGNAL	A72	SIGNAL
B71	GND	A71	GND
B70	SIGNAL	A70	SIGNAL
B69	SIGNAL	A69	SIGNAL
B68	GND	A68	GND
B67	SIGNAL	A67	SIGNAL
B66	SIGNAL	A66	SIGNAL
B65	GND	A65	GND
B64	SIGNAL	A64	SIGNAL
B63	SIGNAL	A63	SIGNAL
B62	GND	A62	GND
B61	SIGNAL	A61	SIGNAL
B60	SIGNAL	A60	SIGNAL
B59	GND	A59	GND
B58	SIGNAL	A58	SIGNAL
B57	SIGNAL	A57	SIGNAL
B56	GND	A56	GND
B55	SIGNAL	A55	SIGNAL
B54	SIGNAL	A54	SIGNAL
B53	GND	A53	GND
B52	SIGNAL	A52	SIGNAL
B51	SIGNAL	A51	SIGNAL
B50	GND	A50	GND
B49	SIGNAL	A49	SIGNAL
B48	SIGNAL	A48	SIGNAL
B47	GND	A47	GND
B46	SIGNAL	A46	SIGNAL
B45	SIGNAL	A45	SIGNAL
B44	GND	A44	GND
B43	SIGNAL	A43	SIGNAL
B42	SIGNAL	A42	SIGNAL
B41	GND	A41	GND
B40	SIGNAL	A40	SIGNAL
B39	SIGNAL	A39	SIGNAL
B38	GND	A38	GND



RECOMMENDED PCB LAYOUT

GENERAL TOLERANCE:±0.05



RoHS COMPLIANT

HALOGEN FREE

Unit:mm(inch)

GENERAL TOLERANCES: (UNLESS SPECIFIED)
0 =±1 (0.039)
0.0 =±.5(0.020)
0.00 =±.3(0.012)
0.000=±.15(0.006)
0° =± 2°
0.0° =± 1°

PROJECTION

D.R. 03/06/2026 Jason
CH.K 03/06/2026 Rita_Chan
APV.D 03/06/2026 Ray

JPC connectivity

TITLE: MCIO Gen6 24X 148 Pin Vertical Connector

PD./FILE NO.: XXXXXXXXX

X-XXXX

SCALE: NA | SIZE: A4 | PART NO.: P948B1484622-0

REV. 02

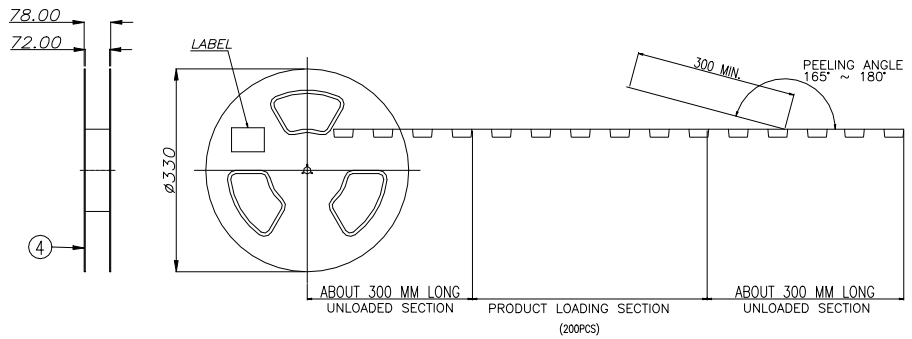
SHEET 2 OF 3

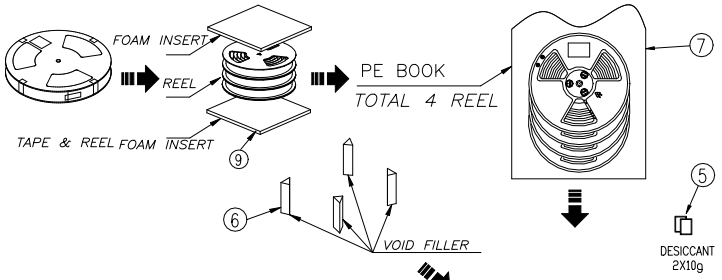
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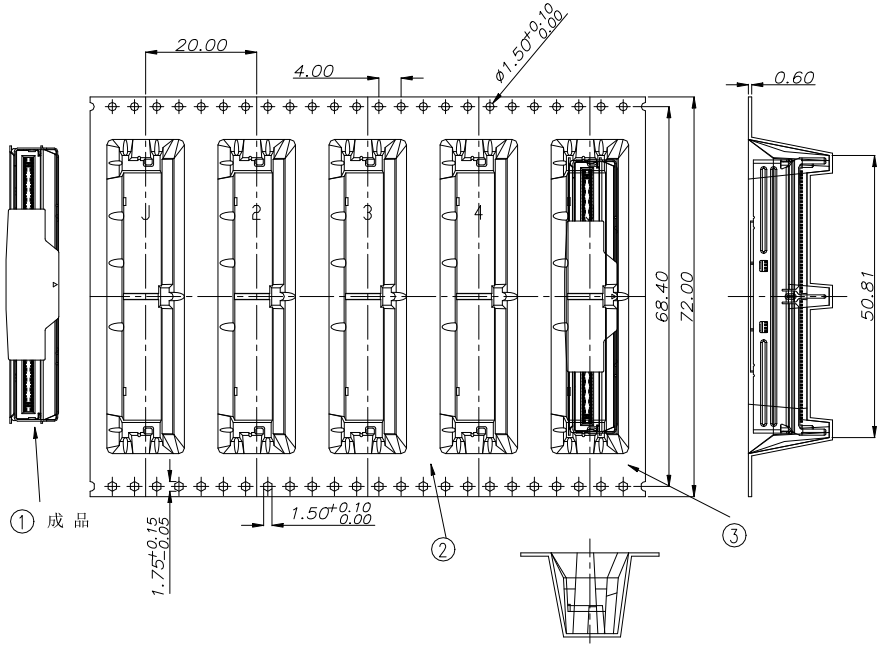
CUSTOMER DRAWING

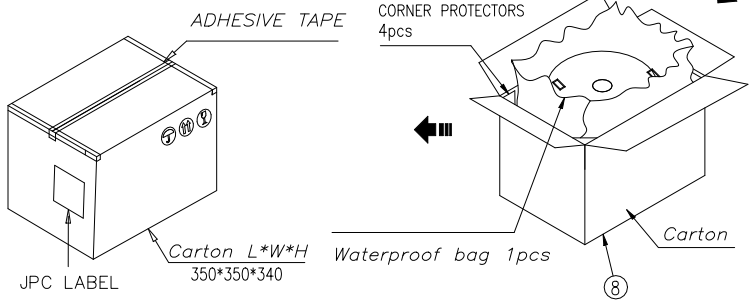
DRWC-018087

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
01		INITIAL DESIGN	Jason	Ray	03/06/2026
02		MOFIFY TXT.	Kuroo	Ray	03/12/2026









NO.	PN	PCS	NAME
9	1.30.4211500002	2 PCS	EPE 310X310X10[MM]
8	1.30.4011000203	1 PCS	K=K DOUBLE WALL 350X350X340[MM]
7	1.30.4111200039	1 PCS	MBB 700X550X0.08mm CLEAR PE
6	1.30.4070400002	4 PCS	402X285X6.0
5	1.30.4180000002	2 PCS	DESICCANT 10g/PACK
4	1.30.4130700008	4 REELS/CARTON	330X100X75[MM] BLUE REEL
3	1.30.4160900006	——	PET W65.5XT0.05,CLEAR PSA COVER TAPE
2	1.30.4140700334	4 REELS/CARTON	MCIO REC VT 20X GEN6 ASSEMBLY CARRIER ,BLACK PS ANTISTATIC
1	2.50.7010250XXX	200/REEL;4800/CARTON	MCIO REC VT 20X GEN6

1. CARRIER TAPE: 1 PC PER POCKET.INNER END: 15 EMPTY POCKETS.FILLED WITH 200 PCS TOTAL.OUTER END: 15 EMPTY POCKETS+ MINIMUM 300 MM LEADER TAPE.
2. USE 13-INCH (Ø330 MM) PLASTIC REEL AND AFFIX LABEL AT DESIGNATED POSITION.
3. PLACE PE BAG IN OUTER CARTON FIRST, THEN INSERT LOADED REEL (LABEL FACING UP).4 REELS PER CARTON.
PUT 1 PC FOAM AT EACH OF 4 CORNERS.ADD 2 DESICCANT PACKS INSIDE PE BAG.ATTACH CORNER PROTECTORS TO ALL 4 FEET OF OUTER CARTON.SEAL PE BAG AND CARTON. USE I-SHAPED TAPE SEALING.AFFIX CORRESPONDING LABEL ON FRONT OF OUTER CARTON.
4. FULL CARTON: 800 PCS = 1 CARTON (4 REELS x 200 PCS PER REEL).
5. COVER TAPE PEELING STRENGTH: 20 GF ~ 130 GF AT 300 MM/MIN

RoHS COMPLIANT

HALOGEN FREE

Unit:mm(inch)

GENERAL TOLERANCES: (UNLESS SPECIFIED)
0 =±1 (0.039)
0.0 =±.5(0.020)
0.00 =±.3(0.012)
0.000=±.15(0.006)
0° =± 2°
0.0° =± 1°

PROJECTION

D.R. 03/06/2026 Jason
CH.K 03/06/2026 Rita_Chan
APV.D 03/06/2026 Ray

JPC connectivity

TITLE: MCIO Gen6 24X 148 Pin Vertical Connector

PD./FILE NO.: XXXXXXXXX

X-XXXX

SCALE: NA | SIZE: A4 | PART NO.: P948B1484622-0

REV. 02

SHEET 3 OF 3