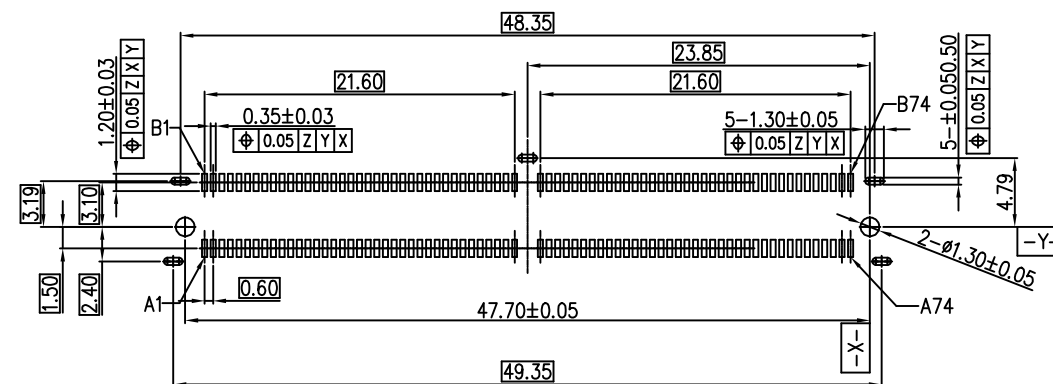
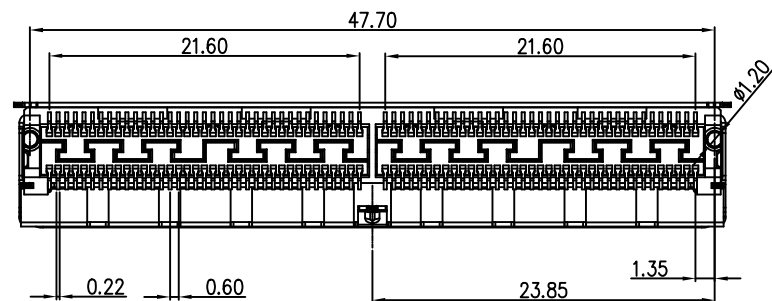
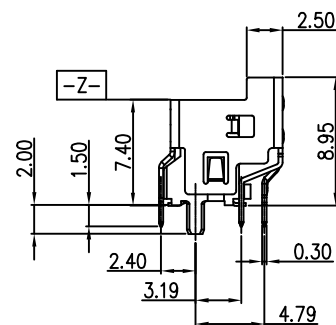
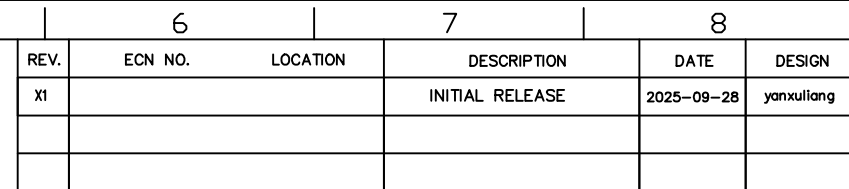


DIM	TOL	DIM	TOL		SHENZHEN DEREN ELECTRONIC CO., LTD			
.x	±0.30	x.	±2°		C-DWG:	TY	DATE	TITLE: MCIO Gen5 148P 16X REC VT
.xx	±0.20	.x	±1°		DRAW NO.	DESIGN:	yanxuliang	2025-09-28
.xxx	±0.10				SC2512121-1	CHECK:	Wilson	2025-09-28
				REV.	X1	APPROVAL:	Bill Lin	2025-09-28
								SHEET: 1/3  SCALE: 1:1 UNIT: mm

A

B

C

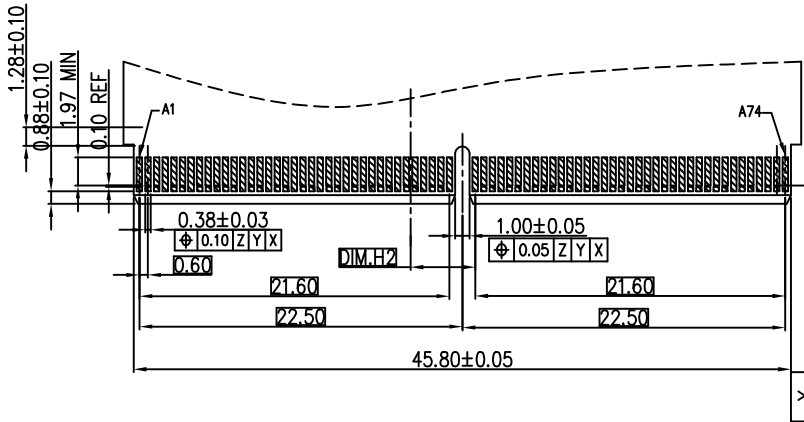
D

E

A1	GND	GND	B1
A2	SIGNAL	SIGNAL	B2
A3	SIGNAL	SIGNAL	B3
A4	GND	GND	B4
A5	SIGNAL	SIGNAL	B5
A6	SIGNAL	SIGNAL	B6
A7	GND	GND	B7
A8	SIDEBAND	SIDEBAND	B8
A9	SIDEBAND	SIDEBAND	B9
A10	SIDEBAND	SIDEBAND	B10
A11	SIDEBAND	SIDEBAND	B11
A12	SIDEBAND	SIDEBAND	B12
A13	GND	GND	B13
A14	SIGNAL	SIGNAL	B14
A15	SIGNAL	SIGNAL	B15
A16	GND	GND	B16
A17	SIGNAL	SIGNAL	B17
A18	SIGNAL	SIGNAL	B18
A19	GND	GND	B19
A20	SIGNAL	SIGNAL	B20
A21	SIGNAL	SIGNAL	B21
A22	GND	GND	B22
A23	SIGNAL	SIGNAL	B23
A24	SIGNAL	SIGNAL	B24
A25	GND	GND	B25
A26	SIDEBAND	SIDEBAND	B26
A27	SIDEBAND	SIDEBAND	B27
A28	SIDEBAND	SIDEBAND	B28
A29	SIDEBAND	SIDEBAND	B29
A30	SIDEBAND	SIDEBAND	B30
A31	GND	GND	B31
A32	SIGNAL	SIGNAL	B32
A33	SIGNAL	SIGNAL	B33
A34	GND	GND	B34
A35	SIGNAL	SIGNAL	B35
A36	SIGNAL	SIGNAL	B36
A37	GND	GND	B37
KEY			
A38	GND	GND	B38
A39	SIGNAL	SIGNAL	B39
A40	SIGNAL	SIGNAL	B40
A41	GND	GND	B41
A42	SIGNAL	SIGNAL	B42
A43	SIGNAL	SIGNAL	B43
A44	GND	GND	B44
A45	SIDEBAND	SIDEBAND	B45
A46	SIDEBAND	SIDEBAND	B46
A47	SIDEBAND	SIDEBAND	B47
A48	SIDEBAND	SIDEBAND	B48
A49	SIDEBAND	SIDEBAND	B49
A50	GND	GND	B50
A51	SIGNAL	SIGNAL	B51
A52	SIGNAL	SIGNAL	B52
A53	GND	GND	B53
A54	SIGNAL	SIGNAL	B54
A55	SIGNAL	SIGNAL	B55
A56	GND	GND	B56
A57	SIGNAL	SIGNAL	B57
A58	SIGNAL	SIGNAL	B58
A59	GND	GND	B59
A60	SIGNAL	SIGNAL	B60
A61	SIGNAL	SIGNAL	B61
A62	GND	GND	B62
A63	SIDEBAND	SIDEBAND	B63
A64	SIDEBAND	SIDEBAND	B64
A65	SIDEBAND	SIDEBAND	B65
A66	SIDEBAND	SIDEBAND	B66
A67	SIDEBAND	SIDEBAND	B67
A68	GND	GND	B68
A69	SIGNAL	SIGNAL	B69
A70	SIGNAL	SIGNAL	B70
A71	GND	GND	B71
A72	SIGNAL	SIGNAL	B72
A73	SIGNAL	SIGNAL	B73
A74	GND	GND	B74

CONNECTOR PIN ASSIGNMENT

NOTES: ALL GROUND PINS ON THE SAME SIDE INSIDE THE CONNECTOR ARE SHORT CONNECTED BY EMI



RECOMMENDED PLUG PADDLE CARD DIMENSIONS

PART NAME:

564G65 - 001H * * * * *

- PACKING CODE1: TRAY
- 2: TAPE AND REEL
- TYPE CODE1: VERTICAL
- SHELL TAIL LENGTH CODE: 1.5mm
- RESERVE CODE: 0
- PLATING CODE: 1: G/F
- 2: 15u" Min
- 3: 30u" Min
- HALOGEN CODE: H: HALOGEN FREE
- NO OF PIN: 4G:148PIN

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
X1			INITIAL RELEASE	2025-09-28	yanxuliang

NOTES:

- MATERIALS:
 - HOUSING:LCP, UL94V-0 BLACK;
 - CONTACT:COOPER ALLOY
 - SHELL:STAINLESS.
- FINISH:
 - CONTACT: GOLD PLATING(SEE PART NUMBER) ON CONTACT AREA.
 - 2.54um[100u"] MIN. MATTE-TIN PLATING ON SOLDER TAIL AREA.
 - 1.27um[50u"] MIN. NICKEL UNDERPLATING OVER ALL.
 - 2.2 SHELL:1.27um[50u"] MIN. NICKEL UNDERPLATING OVER ALL
- RECOMMENDED STENCIAL THICKNESS: 0.15mm
- TRANSFER SPEED:PCIE GEN5
- RATING CURRENT:1.1A,DC PER CONTACT
- RATING VOLTAGE: DC 30V
- OPERATING TEMPERATURE:-40℃ to +85℃

DIM	TOL	DIM	TOL
.x	±0.30	x.	±2°
.xx	±0.20	.x	±1°
.xxx	±0.10		



DEREN

SHENZHEN DEREN ELECTRONIC CO., LTD

DRAW NO.

SC2512121-1

REV. X1

DESIGN:

yanxuliang

APPROVAL

Wilson

Bill Lin

DATE

2025-09-28

2025-09-28

2025-09-28

TITLE: MCIO Gen5 148P 16X

REC VT

P\N: SEE NOTE

SHEET: 2/3

SCALE: 1:1

UNIT: mm

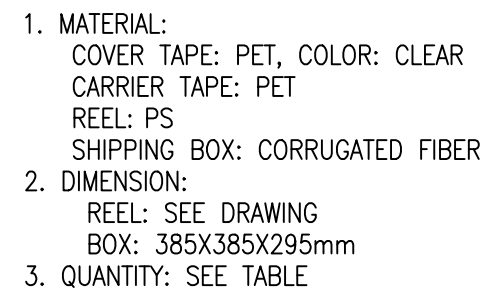
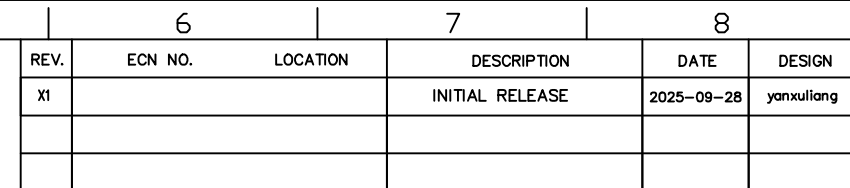
A

B

C

D

E



Detail M

SCALE 8:1

