

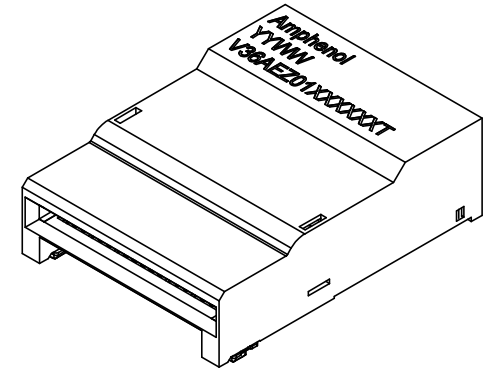
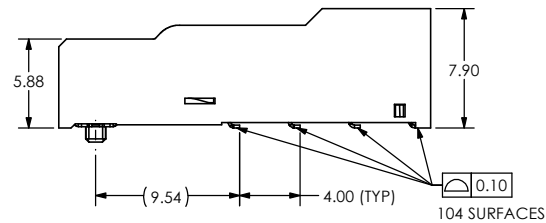
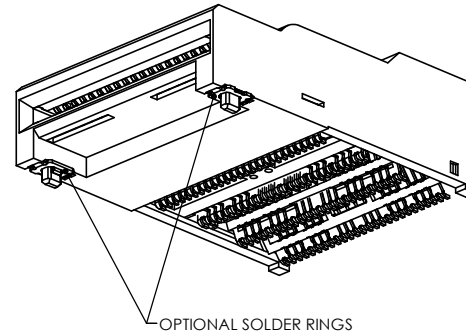
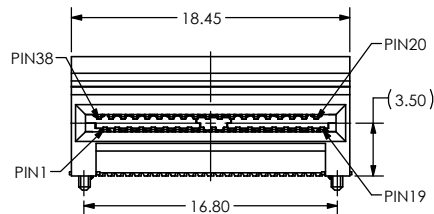
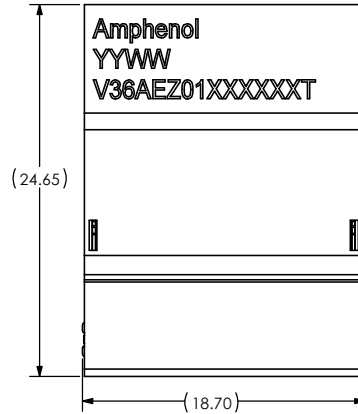
AMPHENOL PART NUMBER

V36-AEZ01-X0X000X

PLATING OPTION
3=0.76um MIN. GOLD
MATTE TIN ON TERMINAL

T - TAPE AND REEL PACKAGING

SOLDER RING OPTION
1 - NO SOLDER RING
7 - WITH SOLDER RING



MATERIAL:
CONNECTOR - SMT:

PLASTIC HOUSING:
LCP, FLAMMABILITY RATING UL94-V0.

WAFERS:
LEADFRAME - COPPER ALLOY
PLATING OPTION:
0.76 µm MIN. GOLD OVER 1.27 µm
MIN NICKEL ON MATING AREA
1.52-3.81 µm MATTE TIN OVER 1.27
µm MIN ON TERMINATION
FRAM - LCP, FLAMMABILITY RATING UL94-V0

PACKAGING:
TAPE AND REEL PACKAGING

OPERATING TEMPERATURE RANGE:
-40°C TO +85°C

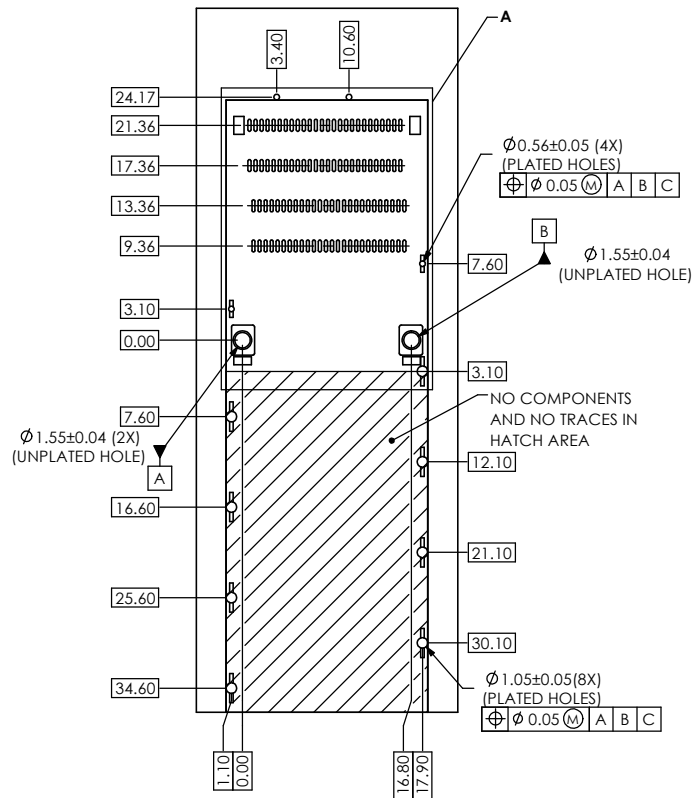
PRELIMINARY
DESIGN CHANGE WITHOUT NOTICE

Release Level	In Work	ECN	(ecn)	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com Title: QSFP-DD 224G 1X1 CONNECTOR Product Family: QSFP-DD 224G Dwg. No. P-V36-AEZ01-X0X000X
Drawn	J.SI	2023/09/19		
Designed	J.SI	2023/09/19		
Guardian	J.SI	2023/09/19		
Approver	J.SI	2023/09/19		
TOLERANCES UNLESS OTHERWISE SPECIFIED Linear X.X ±0.25 X.XX ±0.15 X.XXX ±0.10 Angular X° ±2°				REV C SHEET 1 OF 3

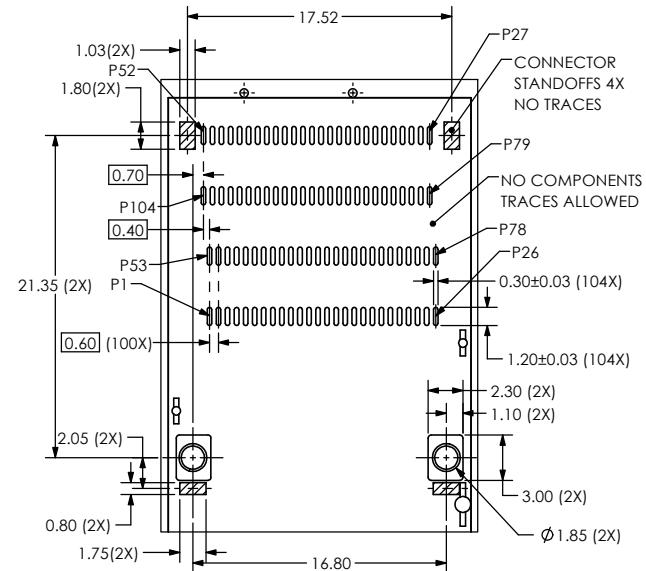
Scale: 3:1 Dwg Size: A3 Product - Customer Dwg

DO NOT SCALE

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
A		PRELIMINARY	X	
B		UPDATED WITH CONNECTOR DIMS	JUL30/23	
C		ADD THE COPLANARITY SPEC	JAN.10, 25	Chigow.X



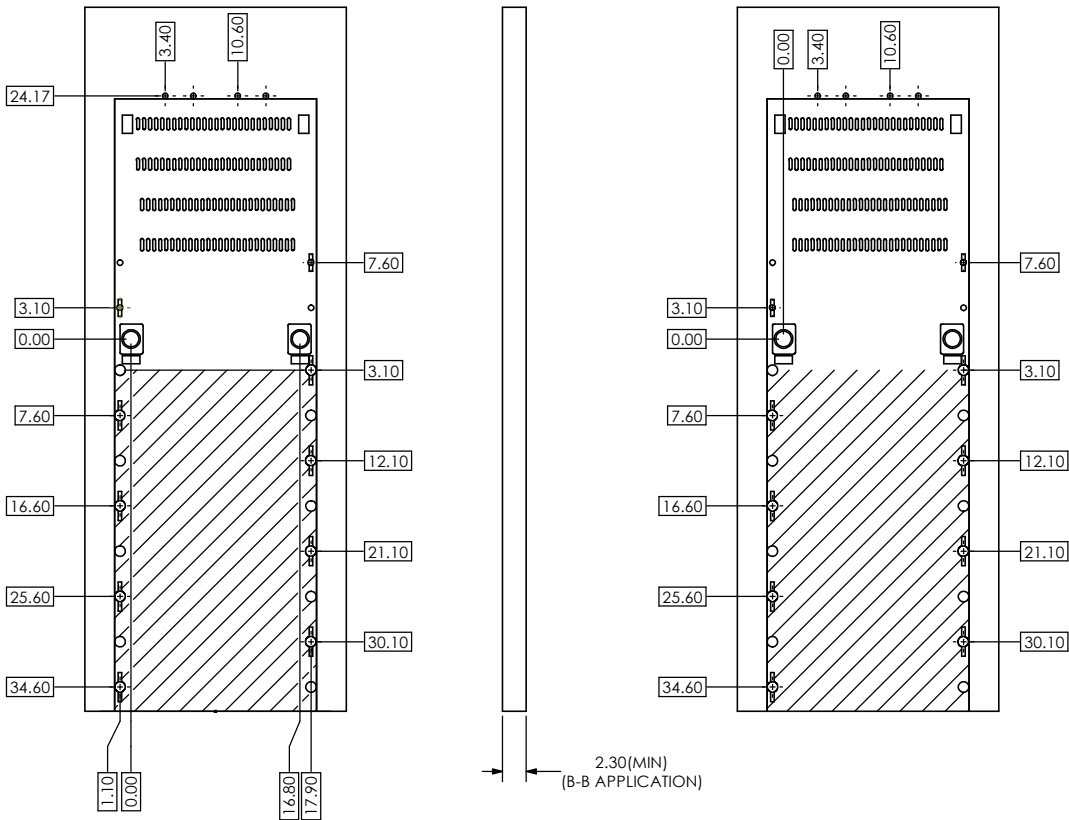
SINGLE SIDE BOARD LAYOUT



DETAIL A
SCALE 3 : 1

Release Level	In Work	ECN	(ecn)	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com	
Drawn	J.SI	2023/09/19			
Designed	J.SI	2023/09/19		Title:	
Guardian	J.SI	2023/09/19		QSFP-DD 224G 1X1 CONNECTOR	
Approver	J.SI	2023/09/19		Product Family: QSFP-DD 224G	
				Dwg. No. P-V36-AEZ01-X0X000X	
				REV C	
TOLERANCES UNLESS OTHERWISE SPECIFIED				SHEET 2 OF 3	
Linear				X.X $\pm$ 0.25	
Angular				X.XX $\pm$ 0.15	
Drawing Units: mm				X.XXX $\pm$ 0.10	
Scale: 2:1				X° $\pm$ 2°	
Dwg Size: A3				Product - Customer Drw	

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B-B BOARD LAYOUT

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
A		PRELIMINARY	X	
B		UPDATED WITH CONNECTOR DIMS	JUL30/23	
C		ADD THE COPLANARITY SPEC	JAN.10, 25	Chigow.X

QSFP-DD1600 Pin Map (1x1 Host)

1	GND	53	GND	104	GND	52	GND
2	GND	54	GND	103	GND	51	GND
3	TX2N	55	TX6N	102	TX5N	50	TX1N
4	TX2P	56	TX6P	101	TX15P	49	TX1P
5	GND	57	GND	100	GND	48	GND
6	GND	58	GND	99	GND	47	GND
7	TX4N	59	TX8N	98	TX7N	46	TX3N
8	TX4P	60	TX8P	97	TX7P	45	TX3P
9	GND	61	GND	96	GND	44	GND
10	GND	62	GND	95	GND	43	GND
11	MODSEL_L	63	P/VS4	94	ePPS/Clock	42	LPMode/TxDis
12	RESET_L	64	P/VS1	93	VCC2	41	VCC1
13	VCCR_X	65	VCCR_X1	92	VCCTX1	40	VCCTX
14	VCCR_X	66	VCCR_X1	91	VCCTX1	39	VCCTX
15	SCL	67	P/VS2	90	Reserved	38	INT_L/RxLOS
16	SDA	68	P/VS3	89	NC	37	MODPRS_L
17	GND	69	GND	88	GND	36	GND
18	GND	70	GND	87	GND	35	GND
19	RX3P	71	RX7P	86	RX8P	34	RX4P
20	RX3N	72	RX7N	85	RX8N	33	RX4N
21	GND	73	GND	84	GND	32	GND
22	GND	74	GND	83	GND	31	GND
23	RX1P	75	RX5P	82	RX6P	30	RX2P
24	RX1N	76	RX5N	81	RX6N	29	RX2N
25	GND	77	GND	80	GND	28	GND
26	GND	78	GND	79	GND	27	GND

Release Level	In Work	ECN	(ecn)	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com	
Drawn	J.SI	2023/09/19			
Designed	J.SI	2023/09/19		Title:	
Guardian	J.SI	2023/09/19		QSFP-DD 224G 1X1 CONNECTOR	
Approver	J.SI	2023/09/19		Product Family: QSFP-DD 224G	
				Dwg. No. P-V36-AEZ01-X0X000X	
				REV C	
Scale: 2:1				SHEET 3 OF 3	