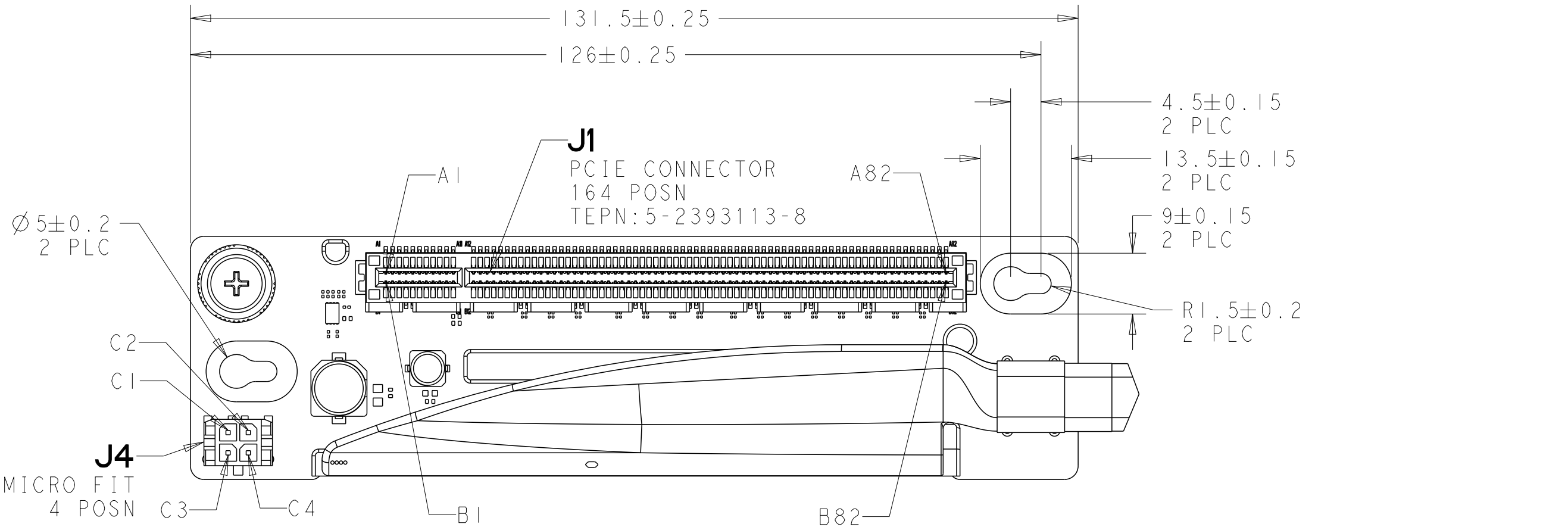


1132029-01	190 +10/-0	2411266-1
GPN	"L"	TE PN



10. PRINTED WIRING BOARDS ASSEMBLIES (PCBA) FOLLOWS IPC-A-610 CLASS 3 FOR INSPECTION AND ACCEPTANCE.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. NO. 31MAR2022 CHG. NO. 31MAR2022 DWG. NO. 31MAR2022 APP'D. DAVID ZHANG		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±.05 2 PLC ±.02 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1° FINISH		NAME CA, SLIVER 4C+ RSE TO PCIE 164P GEN 5 PRODUCT SPEC - APPLICATION SPEC -	
MATERIAL - WEIGHT -		SIZE CAGE CODE DRAWING NO A100779C2411266		RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 3:2		SHEET 1 OF 5 REV A	

WIRING SCHEMATIC

P1		WIRE TYPE	ADAPTER BOARD PCB			P2		
SLIVER 4C+	DESIGNATION		DESIGNATION	COMPONENTS	PCB PAD	DESIGNATION	J1 (PCIE CONNECTOR 164POSN)	J4 (MIRCO FIT)
OCP_A1	PRSNT_C	DISCRETE WIRE	PRSNT_C	CONNECT TO B70	J3: A1		NC	NC
OCP_A2	GND	DISCRETE WIRE	GND			GND		
OCP_A3	GND	DISCRETE WIRE	GND			GND		
OCP_A4	GND	DISCRETE WIRE	GND			GND		
OCP_A5	GND	DISCRETE WIRE	GND			GND		
OCP_A6	GND	DISCRETE WIRE	GND			GND		
OCP_A7	GND	DISCRETE WIRE	GND			GND		
OCP_A8	GND	DISCRETE WIRE	GND			GND		
OCP_A9	GND	DISCRETE WIRE	GND		J2: 10b,11b,12b,13b	GND		
OCP_A10	GND	DISCRETE WIRE	GND		J2: 14b,15b,16b,17b	GND		
OCP_A11	GND	DISCRETE WIRE	GND		J3: 10a,11a,12a,13a	GND	A4, B4, B7, ALL GND	
OCP_A12	GND	DISCRETE WIRE	GND		J3: 14a,15a,16a,17a	GND		
OCP_A13	GND	DISCRETE WIRE	GND			GND		
OCP_A14	GND	DISCRETE WIRE	GND			GND		
A1	GND	DISCRETE WIRE	GND			GND		
A2	GND	DISCRETE WIRE	GND			GND		
A3	GND	DISCRETE WIRE	GND			GND		
A4	NC		NC			NC		
A5	NC		NC			NC		
A6	GND	DISCRETE WIRE	GND		J2: A4_1	GND	A4	
A7	SMCLK	DISCRETE WIRE	SMCLK	FRU EEPROM,ST M24C02-RMC6TG	J2: B5	SMCLK	B5	
A8	SMDAT	DISCRETE WIRE	SMDAT		J2: B6	SMDAT	B6	
A9	SMB		NC			NC		
A10	GND	DISCRETE WIRE	GND		J3: A4_2	GND	A4	
A11	NC		NC			NC		
A12	NC		NC			NC		
A13	GND	DISCRETE WIRE	GND		J3: A4_3	GND	A4	
A14	NC		NC			NC		
A15	NC		NC			NC		
A16	GND	DRAIN WIRE	GND		J3: A15	GND	A15	
A17	PERn0	DIFF PAIR	PERn0		J3: A17	PERn0	A17	
A18	PERp0	DIFF PAIR	PERp0		J3: A16	PERp0	A16	
A19	GND	DRAIN WIRE	GND		J3: A18, A20	GND	A18, A20	
A20	PERn1	DIFF PAIR	PERn1		J3: A22	PERn1	A22	
A21	PERp1	DIFF PAIR	PERp1		J3: A21	PERp1	A21	
A22	GND	DRAIN WIRE	GND		J3: A23, A24	GND	A23, A24	
A23	PERn2	DIFF PAIR	PERn2		J3: A26	PERn2	A26	
A24	PERp2	DIFF PAIR	PERp2		J3: A25	PERp2	A25	
A25	GND	DRAIN WIRE	GND		J3: A27, A28	GND	A27, A28	
A26	PERn3	DIFF PAIR	PERn3		J3: A30	PERn3	A30	
A27	PERp3	DIFF PAIR	PERp3		J3: A29	PERp3	A29	
A28	GND	DRAIN WIRE	GND		J3: A31	GND	A31	
A29	GND	DRAIN WIRE	GND		J3: A34	GND	A34	
A30	PERn4	DIFF PAIR	PERn4		J3: A36	PERn4	A36	
A31	PERp4	DIFF PAIR	PERp4		J3: A35	PERp4	A35	
A32	GND	DRAIN WIRE	GND		J3: A37, A38	GND	A37, A38	
A33	PERn5	DIFF PAIR	PERn5		J3: A40	PERn5	A40	
A34	PERp5	DIFF PAIR	PERp5		J3: A39	PERp5	A39	
A35	GND	DRAIN WIRE	GND		J3: A41, A42	GND	A41, A42	
A36	PERn6	DIFF PAIR	PERn6		J3: A44	PERn6	A44	
A37	PERp6	DIFF PAIR	PERp6		J3: A43	PERp6	A43	
A38	GND	DRAIN WIRE	GND		J3: A45, A46	GND	A45, A46	
A39	PERn7	DIFF PAIR	PERn7		J3: A48	PERn7	A48	
A40	PERp7	DIFF PAIR	PERp7		J3: A47	PERp7	A47	
A41	GND	DRAIN WIRE	GND		J3: A49	GND	A49	
A42	PWRBRK0#	DISCRETE WIRE	PWRBRK0#		J2: B30	PWRBRK0#	B30	
A43	GND	DRAIN WIRE	GND		J3: A51	GND	A51	
A44	PERn8	DIFF PAIR	PERn8		J3: A53	PERn8	A53	
A45	PERp8	DIFF PAIR	PERp8		J3: A52	PERp8	A52	
A46	GND	DRAIN WIRE	GND		J3: A54, A55	GND	A54, A55	
A47	PERn9	DIFF PAIR	PERn9		J3: A57	PERn9	A57	
A48	PERp9	DIFF PAIR	PERp9		J3: A56	PERp9	A56	
A49	GND	DRAIN WIRE	GND		J3: A58, A59	GND	A58, A59	
A50	PERn10	DIFF PAIR	PERn10		J3: A61	PERn10	A61	
A51	PERp10	DIFF PAIR	PERp10		J3: A60	PERp10	A60	
A52	GND	DRAIN WIRE	GND		J3: A62, A63	GND	A62, A63	
A53	PERn11	DIFF PAIR	PERn11		J3: A65	PERn11	A65	
A54	PERp11	DIFF PAIR	PERp11		J3: A64	PERp11	A64	
A55	GND	DRAIN WIRE	GND		J3: A66, A67	GND	A66, A67	
A56	PERn12	DIFF PAIR	PERn12		J3: A69	PERn12	A69	
A57	PERp12	DIFF PAIR	PERp12		J3: A68	PERp12	A68	
A58	GND	DRAIN WIRE	GND		J3: A70, A71	GND	A70, A71	
A59	PERn13	DIFF PAIR	PERn13		J3: A73	PERn13	A73	
A60	PERp13	DIFF PAIR	PERp13		J3: A72	PERp13	A72	
A61	GND	DRAIN WIRE	GND		J3: A74, A75	GND	A74, A75	
A62	PERn14	DIFF PAIR	PERn14		J3: A77	PERn14	A77	
A63	PERp14	DIFF PAIR	PERp14		J3: A76	PERp14	A76	
A64	GND	DRAIN WIRE	GND		J3: A78, A79	GND	A78, A79	
A65	PERn15	DIFF PAIR	PERn15		J3: A81	PERn15	A81	
A66	PERp15	DIFF PAIR	PERp15		J3: A80	PERp15	A80	
A67	GND	DRAIN WIRE	GND		J3: A82, A34	GND	A82, A31	
A68	USB2_DATn	DIFF PAIR	USB2_DATn		J3: A33	USB2_DATn	A33	
A69	USB2_DATp	DIFF PAIR	USB2_DATp		J3: A32	USB2_DATp	A32	
A70	GND	DRAIN WIRE	GND		J3: A31	GND	A34	

REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN
-	-	SEE SHEET 1	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: NEIL NI 31MAR2022	TE Connectivity	
		CHK: NEIL NI 31MAR2022		
DIMENSIONS:		APVD: DAVID ZHANG 31MAR2022	NAME: CA, SLIVER 4C+ RSE TO PCIE I64P GEN 5	
mm		PRODUCT SPEC		
		APPLICATION SPEC	SIZE: A100779C=2411266	
		WEIGHT		
MATERIAL		CUSTOMER DRAWING	SCALE: 1:2	SHEET: 2 OF 5

P1		WIRE TYPE		ADAPTER BOARD PCB		P2		
SLIVER 4C+	DESIGNATION		DESIGNATION	COMPONENTS	PCB PAD	DESIGNATION	J1 (PCIE CONNECTOR 164POSN)	J4 (MICRO FIT)
OCp_B1	P3V3_0	DISCRETE WIRE	P3V3_0	2.2uF*1,Murata GRM188R71A225K 0.1uF*1,Murata GRM155R71E104K 220uF*1,CHEMICON APXF6R3ARA221ME611 OR APXF6R3ARA221ME61G	J2: B8, B8_1, B8_2	P3V3	B8, A9, A10	
OCp_B2	P3V3_0	DISCRETE WIRE	P3V3_0			P3V3		
OCp_B3	P3V3_0	DISCRETE WIRE	P3V3_0			P3V3		
OCp_B4	P3V3_1		P3V3_1					
OCp_B5	P3V3_1		P3V3_1					
OCp_B6	P3V3_1		P3V3_1					
OCp_B7	P12V	DISCRETE WIRE	P12V	470uF*1,CHEMICON EMVY160ARA471MHA01 OR EMVY160ARA471MHA0G 10uF*1,Murata GRM21BC81E106K 0.1uF *1,Murata GRM155R71E104K	J2: B1, B2, B3, J2: B3_1, B2_1, B1_1 J3: A2, A3, A2_1, J3: A3_1, J2: A2_2, A3_2	P12V	B1, B2, B3, A2, A3	
OCp_B8	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B9	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B10	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B11	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B12	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B13	P12V	DISCRETE WIRE	P12V			P12V		
OCp_B14	P12V	DISCRETE WIRE	P12V			P12V		
B1	P12V	DISCRETE WIRE	P12V			P12V		
B2	P12V	DISCRETE WIRE	P12V			P12V		
B3	P12V	DISCRETE WIRE	P12V			P12V		
B4	P12V	DISCRETE WIRE	P12V			P12V		
B5	GND	DISCRETE WIRE	GND			J2: B4		GND
B6	WAKE_N	DISCRETE WIRE	WAKE#	J2: B11	WAKE#	B11		
B7	NC		NC					
B8	PERST_N	DISCRETE WIRE	PERST#		J2: A11	PERST#	A11	
B9	P3V3_STBY	DISCRETE WIRE	P3V3_STBY	1uF*1, Murata GRM155C81E105K 0.1uF*1,Murata GRM155R71E104K	J2: B10	P3V3_AUX	B10	
B10	GND	DISCRETE WIRE	GND		J2: B7	GND	B7	
B11	NC		NC			NC		
B12	NC		NC			NC		
B13	GND	DRAIN WIRE	GND		J3: A12	GND	A12	
B14	REFCLKn0	DIFF PAIR	REFCLK-		J3: A14	REFCLK-	A14	
B15	REFCLKp0	DIFF PAIR	REFCLK+		J3: A13	REFCLK+	A13	
B16	GND	DRAIN WIRE	GND		J3: A15, J2: B13	GND	A15, B13	
B17	PETn0	DIFF PAIR	PETn0	0.22uF*1,Murata GRM033C80J224K	J2: B15	PETn0	B15	
B18	PETp0	DIFF PAIR	PETp0	0.22uF*1,Murata GRM033C80J224K	J2: B14	PETp0	B14	
B19	GND	DRAIN WIRE	GND		J2: B16, B18	GND	B16, B18	
B20	PETn1	DIFF PAIR	PETn1	0.22uF*1,Murata GRM033C80J224K	J2: B20	PETn1	B20	
B21	PETp1	DIFF PAIR	PETp1	0.22uF*1,Murata GRM033C80J224K	J2: B19	PETp1	B19	
B22	GND	DRAIN WIRE	GND		J2: B21, B22	GND	B21, B22	
B23	PETn2	DIFF PAIR	PETn2	0.22uF*1,Murata GRM033C80J224K	J2: B24	PETn2	B24	
B24	PETp2	DIFF PAIR	PETp2	0.22uF*1,Murata GRM033C80J224K	J2: B23	PETp2	B23	
B25	GND	DRAIN WIRE	GND		J2: B25, B26	GND	B25, B26	
B26	PETn3	DIFF PAIR	PETn3	0.22uF*1,Murata GRM033C80J224K	J2: B28	PETn3	B28	
B27	PETp3	DIFF PAIR	PETp3	0.22uF*1,Murata GRM033C80J224K	J2: B27	PETp3	B27	
B28	GND	DRAIN WIRE	GND		J2: B29	GND	B29	
B29	GND	DRAIN WIRE	GND		J2: B32	GND	B32	
B30	PETn4	DIFF PAIR	PETn4	0.22uF*1,Murata GRM033C80J224K	J2: B34	PETn4	B34	
B31	PETp4	DIFF PAIR	PETp4	0.22uF*1,Murata GRM033C80J224K	J2: B33	PETp4	B33	
B32	GND	DRAIN WIRE	GND		J2: B35, B36	GND	B35, B36	
B33	PETn5	DIFF PAIR	PETn5	0.22uF*1,Murata GRM033C80J224K	J2: B38	PETn5	B38	
B34	PETp5	DIFF PAIR	PETp5	0.22uF*1,Murata GRM033C80J224K	J2: B37	PETp5	B37	
B35	GND	DRAIN WIRE	GND		J2: B39, B40	GND	B39, B40	
B36	PETn6	DIFF PAIR	PETn6	0.22uF*1,Murata GRM033C80J224K	J2: B42	PETn6	B42	
B37	PETp6	DIFF PAIR	PETp6	0.22uF*1,Murata GRM033C80J224K	J2: B41	PETp6	B41	
B38	GND	DRAIN WIRE	GND		J2: B43, B44	GND	B43, B44	
B39	PETn7	DIFF PAIR	PETn7	0.22uF*1,Murata GRM033C80J224K	J2: B46	PETn7	B46	
B40	PETp7	DIFF PAIR	PETp7	0.22uF*1,Murata GRM033C80J224K	J2: B45	PETp7	B45	
B41	GND	DRAIN WIRE	GND		J2: B47	GND	B47	
B42	PRSNT_P	DISCRETE WIRE	PRSNT2_N4		J2: B81	PRSNT2_N4	B81	
B43	GND	DRAIN WIRE	GND		J2: B49	GND	B49	
B44	PETn8	DIFF PAIR	PETn8	0.22uF*1,Murata GRM033C80J224K	J2: B51	PETn8	B51	
B45	PETp8	DIFF PAIR	PETp8	0.22uF*1,Murata GRM033C80J224K	J2: B50	PETp8	B50	
B46	GND	DRAIN WIRE	GND		J2: B52, B53	GND	B52, B53	
B47	PETn9	DIFF PAIR	PETn9	0.22uF*1,Murata GRM033C80J224K	J2: B55	PETn9	B55	
B48	PETp9	DIFF PAIR	PETp9	0.22uF*1,Murata GRM033C80J224K	J2: B54	PETp9	B54	
B49	GND	DRAIN WIRE	GND		J2: B56, B57	GND	B56, B57	
B50	PETn10	DIFF PAIR	PETn10	0.22uF*1,Murata GRM033C80J224K	J2: B59	PETn10	B59	
B51	PETp10	DIFF PAIR	PETp10	0.22uF*1,Murata GRM033C80J224K	J2: B58	PETp10	B58	
B52	GND	DRAIN WIRE	GND		J2: B60, B61	GND	B60, B61	
B53	PETn11	DIFF PAIR	PETn11	0.22uF*1,Murata GRM033C80J224K	J2: B63	PETn11	B63	
B54	PETp11	DIFF PAIR	PETp11	0.22uF*1,Murata GRM033C80J224K	J2: B62	PETp11	B62	
B55	GND	DRAIN WIRE	GND		J2: B64, B65	GND	B64, B65	
B56	PETn12	DIFF PAIR	PETn12	0.22uF*1,Murata GRM033C80J224K	J2: B67	PETn12	B67	
B57	PETp12	DIFF PAIR	PETp12	0.22uF*1,Murata GRM033C80J224K	J2: B66	PETp12	B66	
B58	GND	DRAIN WIRE	GND		J2: B68, B69	GND	B68, B69	
B59	PETn13	DIFF PAIR	PETn13	0.22uF*1,Murata GRM033C80J224K	J2: B71	PETn13	B71	
B60	PETp13	DIFF PAIR	PETp13	0.22uF*1,Murata GRM033C80J224K	J2: B70	PETp13	B70	
B61	GND	DRAIN WIRE	GND		J2: B72, B73	GND	B72, B73	
B62	PETn14	DIFF PAIR	PETn14	0.22uF*1,Murata GRM033C80J224K	J2: B75	PETn14	B75	
B63	PETp14	DIFF PAIR	PETp14	0.22uF*1,Murata GRM033C80J224K	J2: B74	PETp14	B74	
B64	GND	DRAIN WIRE	GND		J2: B76, B77	GND	B76, B77	
B65	PETn15	DIFF PAIR	PETn15	0.22uF*1,Murata GRM033C80J224K	J2: B79	PETn15	B79	
B66	PETp15	DIFF PAIR	PETp15	0.22uF*1,Murata GRM033C80J224K	J2: B78	PETp15	B78	
B67	GND	DRAIN WIRE	GND		J2: B80	GND	B80	
B68	NC		NC			NC		
B69	NC		NC			NC		
B70	PRSNT_A	DISCRETE WIRE	PRSNT_A	CONNECT TO SLIVER 4C+ PIN OCP_A1	J3: A1_1	NC		
			NC			NC	A5,A6,A7,A8,A19,A50,B9,B12,B82	
			NC			GND	A1	
			PRSNT2_N1	CONNECT TO PCIE CEM B81		PRSNT2_N1	B17	
			PRSNT2_N2			PRSNT2_N2	B31	
			PRSNT2_N3			PRSNT2_N3	B48	

P		LTR		DESCRIPTION		DATE	DWN	APVD
-	-	SEE SHEET 1		-	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	31MAR2022
				CHK	NEIL NI
				APVD	DAVID ZHANG
				PRODUCT SPEC	
				APPLICATION SPEC	
				WEIGHT	
				CUSTOMER DRAWING	

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC	±
		1 PLC	±0.5
		2 PLC	±0.2
		3 PLC	±
		4 PLC	±
		ANGLES	±
		FINISH	±

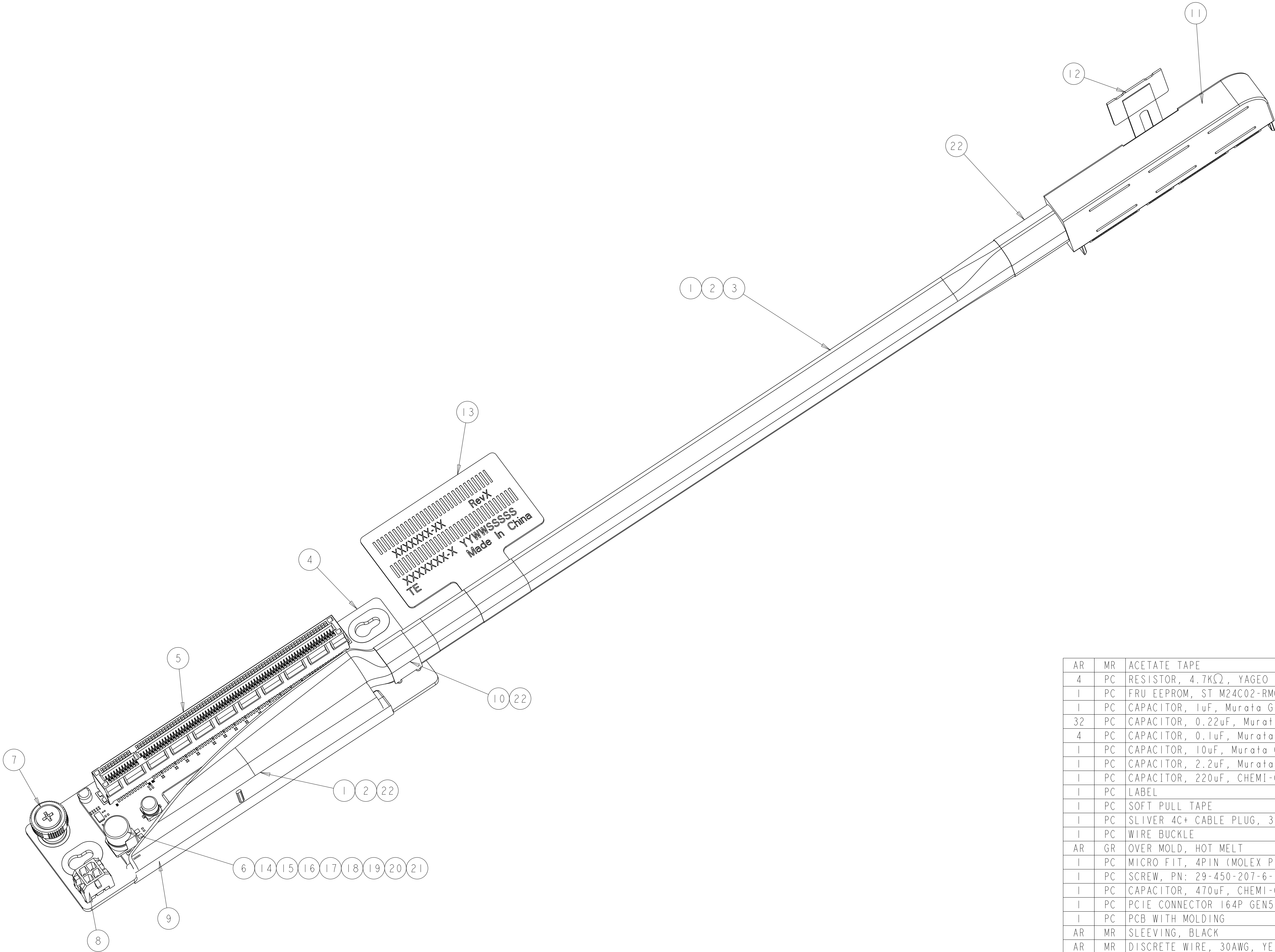
MATERIAL		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		A1	00779	2411266	-

SCALE		1:2	SHEET	3	OF	5	REV	A1
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TE Connectivity

CA, SLIVER 4C+ RSE TO PCIE 164P GEN 5

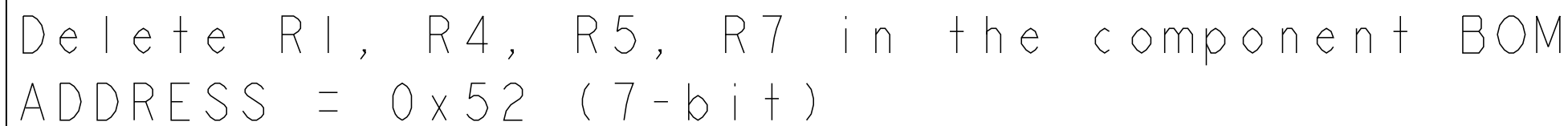
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



AR	MR	ACETATE TAPE	22
4	PC	RESISTOR, 4.7K Ω , YAGEO RC0201JR-074K7L	21
1	PC	FRU EEPROM, ST M24C02-RMC6TG	20
1	PC	CAPACITOR, 1uF, Murata GRM155C81E105K	19
32	PC	CAPACITOR, 0.22uF, Murata GRM033C80J224K	18
4	PC	CAPACITOR, 0.1uF, Murata GRM155R71E104K	17
1	PC	CAPACITOR, 10uF, Murata GRM21BC81E106K	16
1	PC	CAPACITOR, 2.2uF, Murata GRM188R71A225K	15
1	PC	CAPACITOR, 220uF, CHEMI-CON APXF6R3ARA221ME611 OR APXF6R3ARA221ME61G	14
1	PC	LABEL	13
1	PC	SOFT PULL TAPE	12
1	PC	SLIVER 4C+ CABLE PLUG, 30u" GOLD PLATING AT CONTACT PADS	11
1	PC	WIRE BUCKLE	10
AR	GR	OVER MOLD, HOT MELT	9
1	PC	MICRO FIT, 4PIN (MOLEX PN: 43045-0413), 15u" GOLD PLATING AT CONTACT PADS	8
1	PC	SCREW, PN: 29-450-207-6-RL, Fivetech tec, .	7
1	PC	CAPACITOR, 470uF, CHEMI-CON EMVY160ARA471MHA01 OR EMVY160ARA471MHA0G	6
1	PC	PCIE CONNECTOR 164P GEN5, 30u" GOLD PLATING AT CONTACT PADS, TEPN:5-2393113-8	5
1	PC	PCB WITH MOLDING	4
AR	MR	SLEEVING, BLACK	3
AR	MR	DISCRETE WIRE, 30AWG, YELLOW, WHITE, BLACK	2
AR	MR	DIFF PAIR WITH DUAL DRAIN WIRE, 30AWG, 85OHM, SINGLE DP, 25G	1
QTY	U/M	DESCRIPTION	ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN NEIL NI 31MAR2022	TE Connectivity			
DIMENSIONS:		CHK NEIL NI 31MAR2022				
mm		APVD DAVID ZHANG 31MAR2022				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CA, SLIVER 4C+ RSE TO PCIE 164P GEN 5				
		PRODUCT SPEC -	RESTRICTED TO -			
0 PLC ± 1 PLC ±0.5 2 PLC ±0.2 3 PLC ± 4 PLC ±		APPLICATION SPEC -				
ANGLES FINISH		WEIGHT -	SIZE A1	CAGE CODE 00779	DRAWING NO C=2411266	
MATERIAL -		CUSTOMER DRAWING		SCALE 1:2	SHEET 4 OF 5	REV A1

A _ S I D E



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: 31MAR2022 WEIL N1 CHG: 31MAR2022 WEIL N1		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±0.5 2 PLC ±0.2 3 PLC ±. 4 PLC ±. ANGLES ±.		NAME: CA, SLIVER 4C+ RSE TO PCIE 164P GEN 5	
MATERIAL: -		APD: DAVID ZHANG 31MAR2022 PRODUCT SPEC: - APPLICATION SPEC: -		SIZE: CAGE CODE: DRAWING NO: A100779 C=2411266	
FINISH: -		WEIGHT: - CUSTOMER DRAWING: -		RESTRICTED TO: - SCALE: 1:2 SHEET 5 OF 5 REV: A	