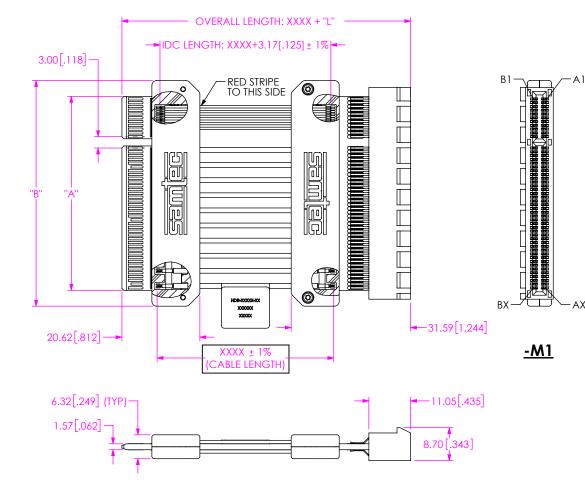
### **REVISION B**

DO NOT SCALE FROM THIS PRINT

# THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

### **DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]** ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN



#### NOTES:

- 1. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- 2. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- 3. LABEL TO BE FLAGGED ON CABLE AS SHOWN; LABEL IS TO CONTAIN PART NUMBER, SHOP NUMBER, & DATE CODE.
- 4. NO POWER LINES CREATES A NO CONNECT CONDITION AT POSITIONS B1, B2, B3, B8, A2, A3, A9 AND A10
- 5. ALL PRSNT 2 PINS ARE COMMON.
- 6. CABLE LENGTHS LONGER THAN 1015 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.

FIG 1 PCIEC-G4-098-XXXX-M1 SHOWN

## PCIEC-G4-XXX-XXXX-XX-XXX

**GENERATION** -4: GEN 4

No OF POSITIONS

-036: 36 POSITIONS (X1) -064: 64 POSITIONS (X4) -098: 98 POSITIONS (X8) -164: 164 POSITIONS (X16)

> CABLE LENGTH 0076 mm MIN (SEE NOTE 6)

IMPEDANCE (LEAVE BLANK FOR 100 ohm) -85: 85 ohm (SEE TABLE 1)

CABLE OPTIONS (LEAVE BLANK FOR NO POWER) ( SEE NOTE 4) -P: POWER

SECOND END TYPE

-C1: PCIE EDGE CARD (TX TO TX EXTENDER), (SEE FIG 2, SHT 2) -C2: PCIE EDGE CARD

(TX TO RX CROSSOVER), (SEE FIG 3, SHT 2)
-M1: PCIEC EDGE MOUNT SOCKET (TX TO TX EXTENDER), (SEE FIG 1)

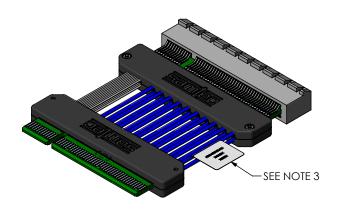


TABLE 3							
NO OF POSITIONS	Х	"A"	"B"				
-036	18	20.300 [.7992]	28.69 [1.130]				
-064	32	34.298 [1.3503]	42.69 [1.681]				
-098	49	51.298 [2.0196]	59.69 [2.350]				
-164	82	84.298 [3.3188]	92.69 [3.649]				

TABLE 2					
END TO END	"L"				
-C1 TO -C1	18.60 [.732]				
-C1 TO -C2	18.60 [.732]				
-C1 TO -M1	29.64 [1.167]				

TABLE 1							
	IMPEDANCE						
CABLE OPTIONS	85 ohm	100 ohm					
-P (W/ POWER LINES)	3485C ULS	34100 ULS					
(BLANK)	3485C ULS	34100 ULS					

#### PROPRIETARY NOTE

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520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com

MATERIAL:

DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION

PCIEC G4 CABLE ASSEMBLY

DWG. NO

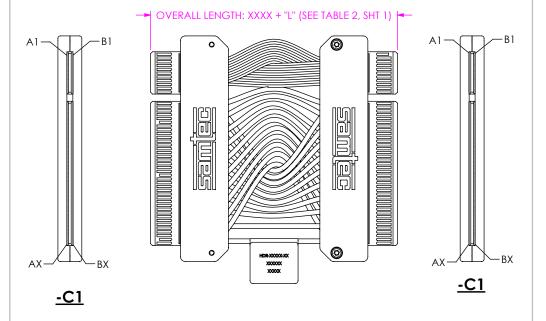
PCIEC-G4-XXX-XXXX-XX-XX

BY: JERRY SU

06/28/2020 | SHEET 1 OF 4

F:\DWG\MISC\Mktg\PCIEC-G4-XXX-XXXX-XX-XX-MKT.SLDDRW





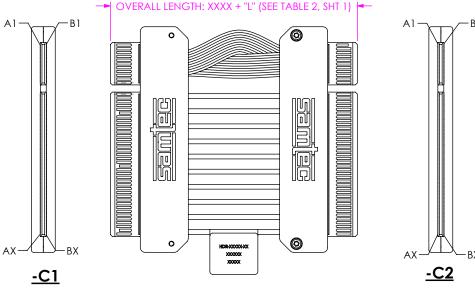




FIG 2
PCIEC-G4-098-XXXX-C1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



 $\frac{\text{FIG 3}}{\text{PCIEC-G4-098-XXXX-C2 SHOWN}} \\ \text{(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)}$ 



## -C1 TX TO TX MAPPING

	TABLE 4							
J1	NAME	J2	J1	NAME	J2			
B1	+12 V	B1	A1	PRSNT#1	A1			
B2	+12 V	B2	A2	+12 V	A2			
ВЗ	+12 V	В3	А3	+12 V	А3			
B4	GND	B4	A4	GND	A4			
B5	SMCLK	B5	A5	JTAG2	A5			
В6	SMDATA	B6	A6	JTAG3	A6			
В7	GND	B7	A7	JTAG4	A7			
В8	+3.3 V	B8	A8	JTAG5	A8			
В9	JTAG1	В9	A9	+3.3 V	A9			
B10	+3.3 V AUX	B10	A10	+3.3 V	A10			
B11	WAKE#	B11	A11	PERST#	A11			
		MECHA	NICAL KEY					
B12	RSVD	B12	A12	GND	A12			
B13	GND	B13	A13	REFCLK+	A13			
B14	PETp0	B14	A14	REFCLK-	A14			
B15	PETn0	B15	A15	GND	A15			
B16	GND	B16	A16	PERp0	A16			
B17	PRSNT#2	B17	A17	PERn0	A17			
B18	GND	B18	A18	GND	A18			
		END OF X	CONNECTO	R				
B19	PETp1	B19	A19	RSVD	A19			
B20	PETn1	B20	A20	GND	A20			
B21	GND	B21	A21	PERp1	A21			
B22	GND	B22	A22	PERn1	A22			
B23	PETp2	B23	A23	GND	A23			
B24	PETn2	B24	A24	GND	A24			
B25	GND	B25	A25	PERp2	A25			
B26	GND	B26	A26	PERn2	A26			
B27	PETp3	B27	A27	GND	A27			
B28	PETn3	B28	A28	GND	A28			
B29	GND	B29	A29	PERp3	A29			
B30	RSVD	B30	A30	PERn3	A30			
B31	PRSNT#2	B31	A31	GND	A31			
B32	GND	B32	A32	RSVD	A32			
		END OF X	CONNECTO	R				

SEE NOTES 4 & 5

B33	TABLE 4 (CONT)							
B34	Daa	DET:-4			DC//D	A 2 2		
B35								
B36								
B37								
B38         PETn5         B38         A38         GND         A38           B39         GND         B39         A39         PERp5         A39           B40         GND         B40         A40         PERp5         A40           B41         PETp6         B41         A41         GND         A41           B43         GND         B43         A43         PERp6         A43           B44         GND         B44         A44         PERp6         A43           B44         GND         B44         A44         PERp6         A43           B46         PETp7         B45         A45         GND         A45           B46         PETp7         B46         A46         GND         A46           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A48         PERn7         A47           B48         PRSNT#2         B48         A48         PERn7         A47           B49         GND         B50         A50         RSVD         A40           B50         PETp8         B50         A52         RSVD         <								
B39								
B40         GND         B40         A40         PERn5         A40           B41         PETp6         B41         A41         GND         A41           B42         PETn6         B42         A42         GND         A42           B43         GND         B44         A44         PERp6         A43           B44         GND         B44         A44         PERn6         A44           B45         PETp7         B45         A45         GND         A46           B47         GND         B47         A46         GND         A46           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A48         PERn7         A48           B49         GND         B49         A49         GND         A49           END F X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETp8         B50         A50         RSVD         A50           B53         GND         B52         A52         PERp8         A52           B53         GND         B								
B41         PETp6         B41         A41         GND         A41           B42         PETn6         B42         A42         GND         A42           B43         GND         B43         A43         PERp6         A43           B44         GND         B44         A44         PERn6         A44           B45         PETp7         B45         A45         GND         A45           B46         PETn7         B46         A46         GND         A46           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A46         GND         A46           B49         GND         B49         A47         PERp7         A47           B48         PRSNT#2         B48         A48         PERn7         A48           B49         GND         B49         A49         GND         A49           END F SX CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51         A52         A52         A52								
B42         PETn6         B42         A42         GND         A43           B43         GND         B43         A43         PERp6         A43           B44         GND         B44         A44         PERn6         A44           B45         PETp7         B45         A46         GND         A46           B47         GND         B47         B48         A48         PERp7         A47           B48         PPSNT#2         B48         A48         PERp7         A47           B48         PSNT#2         B48         A48         PERp7         A47           B49         GND         B49         A49         GND         A49           B40         GND         B49         A48         PERp7         A47           B40         GND         B40         A49         GND         A49           B40         GND         B40         A49								
B43         GND         B44         A43         PERp6         A43           B44         GND         B44         A44         PERn6         A44           B46         PETp7         B46         A45         GND         A45           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A48         PERp7         A47           B49         GND         B49         A49         GND         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A40           B50         PETp8         B50         A50         RSVD         A50           B51         PETp8         B51         A51         GND         A51           B55         GND         B55         A55         GND         A53           B55         PETp99         B54 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
B44         GND         B44         A44         PERn6         A44           B45         PETp7         B45         A45         GND         A45           B46         PETn7         B46         A46         GND         A46           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A49         GND         A49           END F X8 CONNECTOR           B50         PETp8         B50         A50         A850           B51         PETn8         B51         A51         GND         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A56           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57								
B45         PETp7         B45         A45         GND         A45           B46         PETn7         B46         A46         GND         A46           B47         GND         B47         A47         PERp7         A47           B48         PRSNT#2         B48         A49         GND         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A53         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A56           B58         PETp10         B58         A58         GND         A59           B59         PETn10								
B46         PETNT         B46         A46         GND         A46           B47         GND         B47         A47         PERPT         A47           B48         PRSNT#2         B48         A48         PERNT         A48           B49         GND         B49         A49         GND         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A53         PERp8         A52           B53         GND         B55         A53         PERn8         A52           B55         GND         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
B47         GND         B47         A47         PERP7         A47           B48         PRSNT#2         B48         A48         PERn7         A48           B49         GND         B49         A49         GND         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A56         PERp9         A56           B57         GND         B57         A56         PERp9         A56           B57         GND         B57         A58         A67         PERn9         A56           B59         PETn10         B58         A59         GND         A59         A59           B60         GND         B60         A60         PERp10         A60         A61		· ·						
B48         PRSNT#2         B48         A48         PERn7         A48           B49         GND         B49         A49         GND         A49           END OF X8 CONNECTOR           B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A58         GND         A58           B59         PETp10         B58         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11								
B49								
B50								
B50         PETp8         B50         A50         RSVD         A50           B51         PETn8         B51         A51         GND         A51           B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A60         PERp10         A60           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETp11         B63         A63         GND	B49				GND	A49		
B51         PETN8         B51         A51         GND         A51           B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A60         PERp10         A60           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETp11         B62         A63         GND         A63           B64         GND         B64         A64         PERp11								
B52         GND         B52         A52         PERp8         A52           B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A60           B61         GND         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A62           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11								
B53         GND         B53         A53         PERn8         A53           B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND								
B54         PETp9         B54         A54         GND         A54           B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A66         GND         A66           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A68         PERp12								
B55         PETn9         B55         A55         GND         A55           B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A64           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A66         GND         A68           B69         GND         B68         A69         PERp12								
B56         GND         B56         A56         PERp9         A56           B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12								
B57         GND         B57         A57         PERn9         A57           B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A64           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETn13         B71         A70         GND								
B58         PETp10         B58         A58         GND         A58           B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERp10         A60           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND								
B59         PETn10         B59         A59         GND         A59           B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERp10         A60           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A64           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A73         PERp13								
B60         GND         B60         A60         PERp10         A60           B61         GND         B61         A61         PERp10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A64           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A73         PERp13         A72           B73         GND         B73         A73         PERn13								
B61         GND         B61         A61         PERn10         A61           B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         A74					GND			
B62         PETp11         B62         A62         GND         A62           B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         A74         GND         A74           B75         PETn14         B75         A75								
B63         PETn11         B63         A63         GND         A63           B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B75         A75         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14								
B64         GND         B64         A64         PERp11         A64           B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14								
B65         GND         B65         A65         PERn11         A65           B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND								
B66         PETp12         B66         A66         GND         A66           B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERp12         A68           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND								
B67         PETn12         B67         A67         GND         A67           B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15								
B68         GND         B68         A68         PERp12         A68           B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A81           B81         PRSNT#2         B81         A81         PERn15								
B69         GND         B69         A69         PERn12         A69           B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A81           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         GND         A82								
B70         PETp13         B70         A70         GND         A70           B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A81           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B71         PETn13         B71         A71         GND         A71           B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B72         GND         B72         A72         PERp13         A72           B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         GND         A82		_						
B73         GND         B73         A73         PERn13         A73           B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         GND         A82								
B74         PETp14         B74         A74         GND         A74           B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B75         PETn14         B75         A75         GND         A75           B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82	B73	GND	B73					
B76         GND         B76         A76         PERp14         A76           B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B77         GND         B77         A77         PERn14         A77           B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82		PETn14	B75		GND	A75		
B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82	B76	GND	B76	A76	PERp14	A76		
B78         PETp15         B78         A78         GND         A78           B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82	B77	GND	B77	A77	PERn14	A77		
B79         PETn15         B79         A79         GND         A79           B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B80         GND         B80         A80         PERp15         A80           B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B81         PRSNT#2         B81         A81         PERn15         A81           B82         RSVD         B82         A82         GND         A82								
B82         RSVD         B82         A82         GND         A82								
	B81	PRSNT#2	B81	A81	PERn15	A81		
END OF X16 CONNECTOR	B82	RSVD	B82	A82	GND	A82		
		E	ND OF X16 CO	NNECTOR				

# -M1 TX TO TX MAPPING

	TABLE 5							
J1	J1 NAME J2 J1 NAME J2							
B1	+12 V	B1	A1	PRSNT#1	A1			
B2	+12 V	B2	A2	+12 V	A2			
В3	+12 V	В3	A3	+12 V	A3			
B4	GND	В4	A4	GND	A4			
B5	SMCLK	B5	A5	JTAG2	A5			
B6	SMDATA	В6	A6	JTAG3	A6			
B7	GND	В7	A7	JTAG4	A7			
В8	+3.3 V	B8	A8	JTAG5	A8			
В9	JTAG1	В9	A9	+3.3 V	A9			
B10	+3.3 V AUX	B10	A10	+3.3 V	A 10			
B11	WAKE#	B11	A11	PERST#	A11			
		MECHA	NICAL KEY					
B12	RSVD	B12	A12	GND	A12			
B13	GND	B13	A13	REFCLK+	A13			
B14	PETp0	B14	A14	REFCLK-	A14			
B15	PETn0	B15	A15	GND	A 15			
B16	GND	B16	A16	PERp0	A16			
B17	PRSNT#2	B17	A17	PERn0	A17			
B18	GND	B18	A18	GND	A 18			
		END OF X1	CONNECTO					
B19	PETp1	B19	A19	RSVD	A19			
B20	PETn1	B20	A20	GND	A20			
B21	GND	B21	A21	PERp1	A21			
B22	GND	B22	A22	PERn1	A22			
B23	PETp2	B23	A23	GND	A23			
B24	PETn2	B24	A24	GND	A24			
B25	GND	B25	A25	PERp2	A25			
B26	GND	B26	A26	PERn2	A26			
B27	PETp3	B27	A27	GND	A27			
B28	PETn3	B28	A28	GND	A28			
B29	GND	B29	A29	PERp3	A29			
B30	RSVD	B30	A30	PERn3	A30			
B31	PRSNT#2	B31	A31	GND	A31			
B32	GND	B32	A32	RSVD	A32			
		END OF X4	CONNECTO	)R				

SEE NOTES 4 & 5

TABLE 5 (CONT)						
B33	PETp4	B33	A33	RSVD	A33	
B34	PETn4	B34	A34	GND	A34	
B35	GND	B35	A35	PERp4	A35	
B36	GND	B36	A36	PERn4	A36	
B37	PETp5	B37	A37	GND	A37	
B38	PETn5	B38	A38	GND	A38	
B39	GND	B39	A39	PERp5	A39	
B40	GND	B40	A40	PERn5	A40	
B41	PETp6	B41	A41	GND	A41	
B42	PETn6	B42	A42	GND	A42	
B43	GND	B43	A43	PERp6	A43	
B44	GND	B44	A44	PERn6	A44	
B45	PETp7	B45	A45	GND	A44 A45	
B46	PETp7	B46	A45 A46	GND	A45 A46	
B47	GND	B47	A47	PERp7	A47	
B48	PRSNT#2	B48	A48	PERn7	A48	
B49	GND	B49	A49	GND	A49	
B50		END OF X8 CO		DC)/D	450	
	PETp8	B50	A50	RSVD	A50	
B51	PETn8	B51	A51	GND	A51	
B52	GND	B52	A52	PERp8	A52	
B53	GND	B53	A53	PERn8	A53	
B54	PETp9	B54	A54	GND	A54	
B 55	PETn9	B 55	A55	GND	A55	
B 56	GND	B56	A56	PERp9	A56	
B57	GND	B57	A57	PERn9	A57	
B58	PETp10	B58	A58	GND	A58	
B 59	PETn10	B 59	A59	GND	A59	
B60	GND	B60	A60	PERp10	A60	
B61	GND	B61	A61	PERn10	A61	
B62	PETp11	B62	A62	GND	A62	
B63	PETn11	B63	A63	GND	A63	
B64	GND	B64	A64	PERp11	A64	
B65	GND	B65	A65	PERn11	A65	
B66	PETp12	B66	A66	GND	A66	
B67	PETn12	B67	A67	GND	A67	
B68	GND	B68	A68	PERp12	A68	
B69	GND	B69	A69	PERn12	A69	
B70	PETp13	B70	A70	GND	A70	
B71	PETn13	B71	A71	GND	A71	
B72	GND	B72	A72	PERp13	A72	
B73	GND	B73	A73	PERn13	A73	
B74	PETp14	B74	A74	GND	A74	
B75	PETn14	B75	A75	GND	A75	
B76	GND	B76	A76	PERp14	A76	
B77	GND	B77	A77	PERn14	A77	
B78	PETp15	B78	A78	GND	A78	
B79	PETn15	B79	A79	GND	A79	
B80	GND	B80	A80	PERp15	A80	
	PRSNT#2	B81	A81	PERn15	A81	
B.81		501	AUI	LIMITO	701	
B81		DCC	A-00	OND	400	
B81 B82	RSVD	B82 ND OF X16 CO	A82	GND	A82	

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PCIEC G4 CABLE ASSEMBLY

DWG. NO.

PCIEC-G4-XXX-XXXX-XX-XX

520 PARK EAST BLVD, NEW ALBANY, IN 47150

BY: JERRY SU 06/28/2020 SHEET 3 OF 4

DO NOT SCALE DRAWING

SHEET SCALE: 1:2

# -C2 TX TO RX MAPPING

	TABLE 6								
J1	J1 NAME J2 J1 NAME J2								
B1	+12 V	B1		A1	PRSNT#1	A1			
B2	+12 V	B2		A2	+12 V	A2			
В3	+12 V	В3		А3	+12 V	А3			
B4	GND	B4		A4	GND	A4			
B5	SMCLK	B5		A5	JTAG2	A5			
В6	SMDATA	B6		A6	JTAG3	A6			
B7	GND	В7		A7	JTAG4	Α7			
B8	+3.3 V	В8		A8	JTAG5	A8			
B9	JTAG1	B9		A9	+3.3 V	A9			
B10	+3.3 V AUX	B10		A10	+3.3 V	A10			
B11	WAKE#	B11		A11	PERST#	A11			
		MECHA	41	NICAL KEY					
B12	RSVD	B12		A12	GND	A12			
B13	GND	B13		A13	REFCLK+	A13			
B14	PETp0	A16		A14	REFCLK-	A14			
B15	PETn0	A17		A15	GND	A15			
B16	GND	B16		A16	PERp0	B14			
B17	PRSNT#2	B17		A17	PERn0	B15			
B18	GND	B18		A18	GND	A18			
		END OF X	1	CONNECTO	R				
B19	PETp1	A21		A19	RSVD	A19			
B20	PETn1	A22		A20	GND	A20			
B21	GND	B21		A21	PERp1	B19			
B22	GND	B22		A22	PERn1	B20			
B23	PETp2	A25		A23	GND	A23			
B24	PETn2	A26		A24	GND	A24			
B25	GND	B25		A25	PERp2	B23			
B26	GND	B26		A26	PERn2	B24			
B27	PETp3	A29		A27	GND	A27			
B28	PETn3	A30		A28	GND	A28			
B29	GND	B29		A29	PERp3	B27			
B30	RSVD	B30		A30	PERn3	B28			
B31	PRSNT#2	B31		A31	GND	A31			
B32	GND	B32		A32	RSVD	A32			
		END OF X	4	CONNECTO	R				

SEE NOTES 4 & 5

TABLE 6 (CONT)							
B33	PETp4	A35	A33	RSVD	A33		
B34	PETn4	A36	A34	GND	A34		
B35	GND	B35	A35	PERp4	B33		
B36	GND	B36	A36	PERn4	B34		
B37	PETp5	A39	A37	GND	A37		
B38	PETp5	A40	A38	GND	A38		
B39	GND	B39	A39	PERp5	B37		
B40	GND	B40	A40	PERn5	B38		
B41	PETp6	A43	A41	GND	A41		
B42	PETp6	A43	A41	GND	A41 A42		
B43	GND	B43	A42	PERp6	B41		
B44	GND	B43	A43	PERp6	B41		
			A44 A45				
B45	PETp7	A47		GND	A45 A46		
B46	PETn7	A48	A46	GND DED::7			
B47	GND	B47	A47	PERp7	B45		
B48	PRSNT#2	B48	A48	PERn7	B46		
B49	GND	B49 END OF X8 COI	A49	GND	A49		
550				D 0) /D	4.50		
B50	PETp8	A52	A50	RSVD	A50		
B51	PETn8	A53	A51	GND	A51		
B52	GND	B52	A52	PERp8	B50		
B53	GND	B53	A53	PERn8	B51		
B54	PETp9	A56	A54	GND	A54		
B55	PETn9	A57	A55	GND	A55		
B56	GND	B56	A56	PERp9	B54		
B57	GND	B57	A57	PERn9	B55		
B58	PETp10	A60	A58	GND	A58		
B59	PETn10	A61	A59	GND	A59		
B60	GND	B60	A60	PERp10	B58		
B61	GND	B61	A61	PERn10	B59		
B62	PETp11	A64	A62	GND	A62		
B63	PETn11	A65	A63	GND	A63		
B64	GND	B64	A64	PERp11	B62		
B65	GND	B65	A65	PERn11	B63		
B66	PETp12	A68	A66	GND	A66		
B67	PETn12	A69	A67	GND	A67		
B68	GND	B68	A68	PERp12	B66		
B69	GND	B69	A69	PERn12	B67		
B70	PETp13	A72	A70	GND	A70		
B71	PETn13	A73	A71	GND	A71		
B72	GND	B72	A72	PERp13	B70		
B73	GND	B73	A73	PERn13	B71		
B74	PETp14	A76	A74	GND	A74		
B75	PETn14	A77	A75	GND	A75		
B76	GND	B76	A76	PERp14	B74		
B77	GND	B77	A77	PERn14	B75		
B78	PETp15	A80	A78	GND	A78		
B79	PETn15	A81	A79	GND	A79		
B80	GND	B80	A80	PERp15	B78		
B81	PRSNT#2	B81	A81	PERn15	B79		
					4.00		
B82	RSVD	B82	A82	GND	A82		



DO NOT SCALE DRAWING

SHEET SCALE: 1:2

DESCRIPTION:
PCIEC G4 CABLE ASSEMBLY

PCIEC-G4-XXX-XXXX-XX-XXX

BY: JERRY SU 06/28/2020 SHEET 4 OF 4