



mat'l. code		-		surface		✓ tolerance		projection		product family	
ecn no		dr		date		ASME_Y14.5		MM		PCI_EXPRESS	
A		T07-1180		J.H		12/27/07		tolerances unless otherwise specified		title	
B		T10-0030		J.H		1/03/10		angles		PCI_INTEGRATED_TYPE_GEN3	
C		ELX-DG-2181-1		ST		05/27/16		±2'		CARD_EDGE_ASS'Y	
D1		WZ		11/03/2021		dr		WINSTON_ZHU		2021-07-06	
						engr		ZHENHUA_LIU		2021-07-06	
						chr		MARS_LONG		2021-07-06	
						appd		HEAVEN_CEN		2021-07-06	
sheet index		revision sheet		D						Amphenol FCI	
										product family	
										PCI_EXPRESS	
										title	
										PCI_INTEGRATED_TYPE_GEN3	
										CARD_EDGE_ASS'Y	
										dwg no	
										10083987	
										sheet 1 of 3	
										size	
										A4	
										type	
										CUSTOMER Drawing	

NOTES:

1.MATERIAL:

HOUSING: THERMOPLASTIC WITH GLASS FIBER, UL94V-0,
LATCHES: THERMOPLASTIC WITHOUT GLASS FIBER, UL94-HB (PA66).
CONTACTS: COPPER ALLOY.

2.FINISH:

CONTACTS: GOLD PLATING ON CONTACT AREA,
60u" MATTE TIN (LEAD FREE OPTION) PLATING ON SOLDER TAILS,
50u" MIN. NICKEL UNDERPLATING OVER ALL.

3. WARNING: THE MAXIMUM ALLOWABLE ANGLE TO WITHDRAWAL THE DAUGHTER CARD FROM RETAINER
BY 25 DEGREE.

4. DURABILITY: 50 CYCLES.

5. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

- a. PLATING: "LF" MEANS THE PRODUCT IS LEAD FREE, 1.5um min. MATTE PURE TIN OVER 1.27um MIN. NICKEL UNDERPLATE.
- b. MANUFACTURING PROCESS COMPATIBILITY: THE HOUSING WILL WITHSTAND EXPOSURE TO 260C±5C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.57MM THICK CIRCUIT BOARD.

PRODUCT NUMBER CODE

10083987 -x x x x x x LF

HOUSING COLOR OPTIONS

- 1-BLACK FOR BASE & RM
- 4-BLUE (297C) FOR BASE & RM
- 7-BLACK FOR BASE & BLUE (659C) FOR RM

PEGS OPTIONS

- 1-PLASTIC POST

TERMINAL PLATING OPTIONS

- 0-50u" Ni UNDERPLATE
30u" Au CONTACT AREA
100u" TIN TAIL AREA
- 1-50u" Ni UNDERPLATE
15u" Au CONTACT AREA
100u" TIN TAIL AREA
- 2-50u" Ni UNDERPLATE
GOLD FLASH CONTACT AREA
100u" TIN TAIL AREA

APPLICATIONS

LF- LEAD FREE FOR PLATING OPTIONS 0,1,2

PACKAGING OPTIONS

- T-TRAY PACKAGING
- Z-HARD TRAY PACKAGING

POS OPTIONS

3-164

TAIL LENGTH OPTION (DIM.A)

- 1- 3.10MM
- 2- 2.30MM

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-		-		ASME_Y14.5				PCI_EXPRESS		
ecn no	dr	date	tolerances unless otherwise specified					title		
			angles	linear	.02±0.30	MM		PCI_INTEGRATED_TYPE_GEN3		
			±2'	surface	.00±0.20	scale N/A		CARD_EDGE_ASS'Y		
			dr	WINSTON_ZHU	2021-07-06			dwg no		
			engr	ZHENHUA_LIU	2021-07-06			sheet 3 of 3		size
			chr	MARS_LONG	2021-07-06			10083987		A4
			appd	HEAVEN_CEN	2021-07-06			type CUSTOMER Drawing		
sheet index	revision	D								
	sheet									