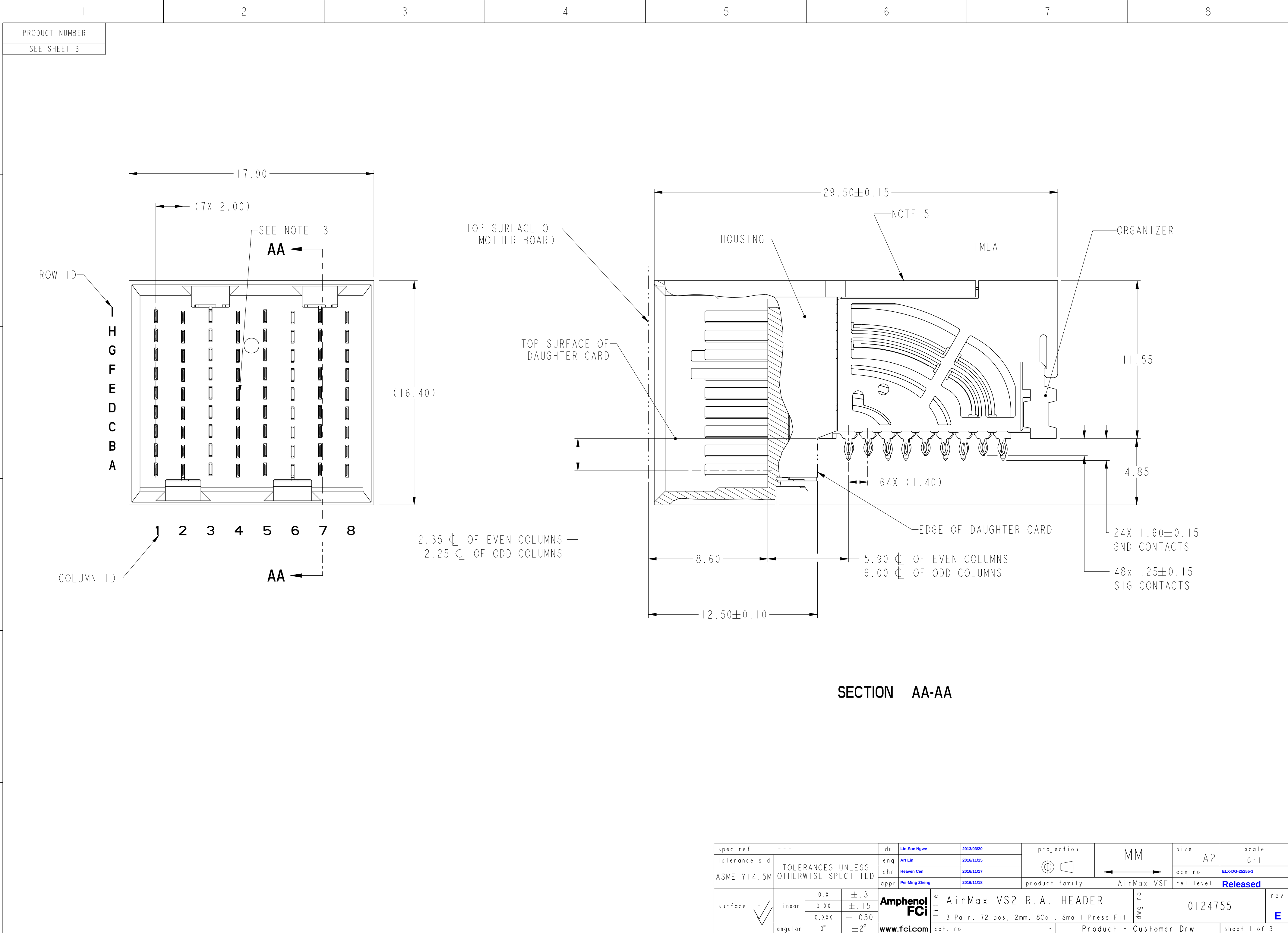
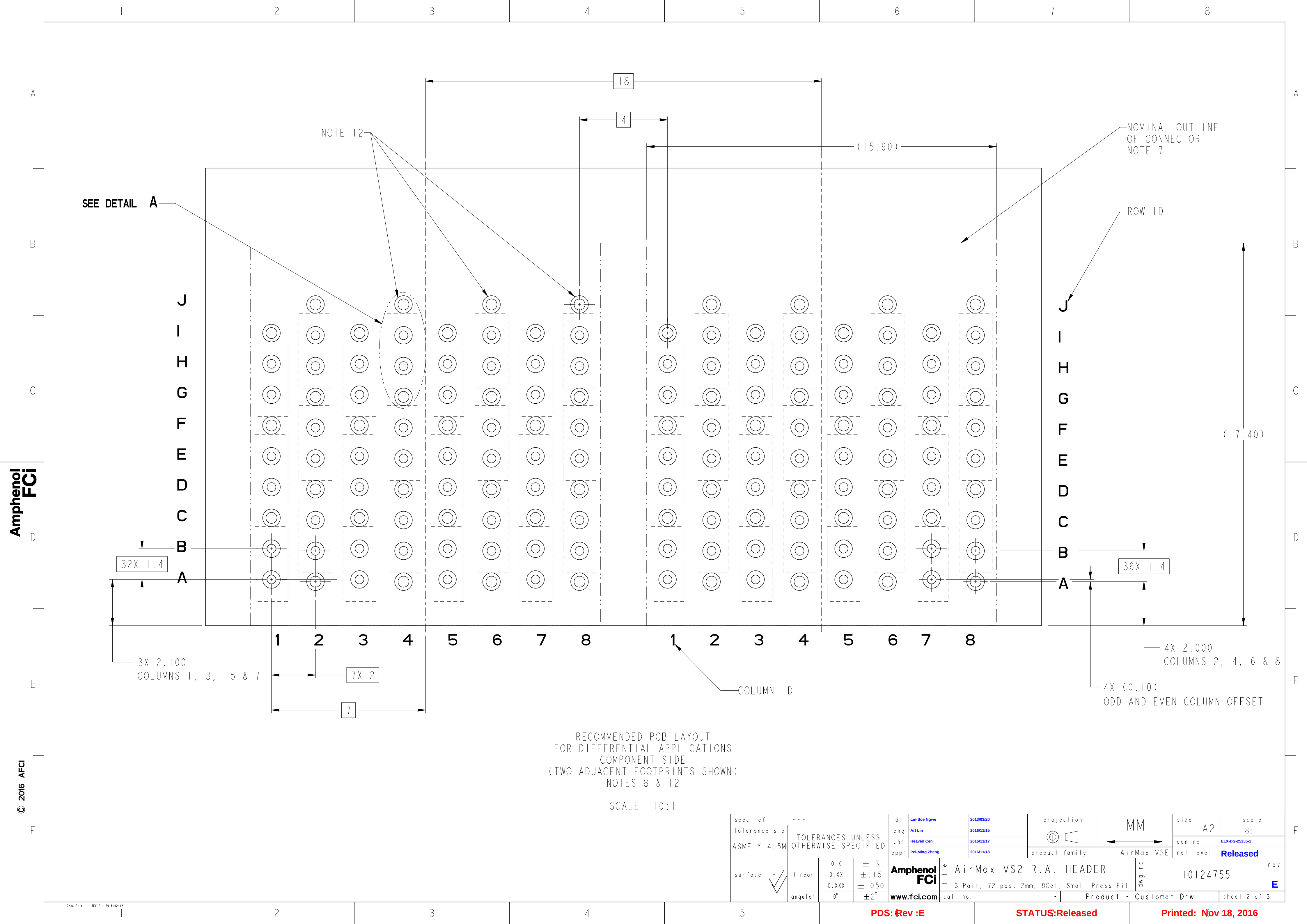






RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 12

SCALE 10:1

spec ref		---		dr		Lin-Soe Ngwe		2013/03/20		projection		MM		size		A2		scale		8:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Art Lin		2016/11/15						ecn no		ELX-DG-25255-1											
ASME Y14.5M				chr		Heaven Cen		2016/11/17						rel level												Released	
				appr		Pei-Ming Zheng		2016/11/18						product family												AirMax VSE	
surface				linear		0.X		±.3		Amphenol FCI		title		AirMax VS2 R.A. HEADER		dwg no		10124755		rev		E					
				0.XX		±.15																					
				0.XXX		±.050																					
				angular		0°		±2°																			
						www.fci.com		cat. no.				Product - Customer Drw				sheet 2 of 3											

1		2		3	4	5	6	7	8
PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT	REMARK						
10124755-101	TIN/LEAD ALLOY OVER NICKEL	NO	ONE SIDE PLATING (CUSTOMER SPECIAL)						
10124755-101LF	TIN OVER NICKEL (LEAD FREE)								
10124755-111	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)							
10124755-111LF	TIN OVER NICKEL (LEAD FREE)								
10124755-102	TIN/LEAD ALLOY OVER NICKEL	NO	TWO SIDE PLATING						
10124755-102LF	TIN OVER NICKEL (LEAD FREE)								
10124755-112	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)							
10124755-112LF	TIN OVER NICKEL (LEAD FREE)								

1

CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0

2

CONTACT PLATING:
SEPARABLE INTERFACE:
GXT PLUS PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-0956 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE

3

PRESS-FIT TAILS: SEE TABLE

4

PRODUCT SPECIFICATION: GS-12-0956

5

APPLICATION SPECIFICATION: GS-20-0305

6

PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.

7

POSITIONS "F" OF ODD NUMBERED COLUMNS AND POSITIONS "G" OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE HEADER PINS.

8

CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR CONNECTOR PLACEMENT.

9

REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS

10

LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

11

PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

12

GROUND CONTACTS (C, F, & I IN ODD COLUMNS AND A, D, & G IN EVEN COLUMNS) REQUIRE (Ø0.50) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.40) FINISHED HOLES

13

THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

14

MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST PIN.

15

A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

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Mouser Electronics

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[10124755-102LF](#) [10124755-112LF](#) [10124755-111LF](#) [10124755-101LF](#)