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STATUS: Released

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3 5 8 4 NOTES: CONNECTOR MATERIALS: HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-VO IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-VO CONTACT: COPPER ALLOY GUIDE PIN: ZINC ALLOY POLARIZING PIN: ZINC ALLOY 2 - CONTACT PLATING: SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE) 3 - PRODUCT SPECIFICATION: GS-12-1096 4. - APPLICATION SPECIFICATION GS-20-0361. 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION. PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE. THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 20.0 mm FOR 10124414-101LF AND 22.0 mm FOR 10124414-102LF. CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT. REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. REFER TO APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, TRACE SPACING, ETC. 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. THE ADVANCED MATE HEADER, 10124414-2XXLF, WHEN MATED WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10124413-2XXLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS. THE SHORT DETECT HEADER, 10124414-3XXLF, WHEN MATED WITH A RIGHT ANGLE RECEPTACTLE, 10124413-1XXLF, WILL PROVIDE I PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS. (I5)- THE ADVANCE MATE/SHORT DETECT HEADER, IOI244I4-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE, 10124413-2YYLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND I PAIR OF MATING CONTACTS THAT MATE I.OOMM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS. FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, A PHILLIPS PAN HEAD M2 X O.4 HOLD-DOWN SCREW SHALL BE USED TO SECURE THE CONNECTOR AND GUIDE PIN TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0 mm PLUS THE THICKNESS OF THE PCB. SCREW IS NOT PROVIDED WITH THE CONNECTOR. LEFT / RIGHT INTERGRATED GUIDE ORIENTATION IS DETERMINED BY THE LACATION OF THE GUIDE spec ref projection size scale A 2 2:1 tolerance std e n g Terry Luo 2015/05/14 FEATURES WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT TOLERANCES UNLESS chr Martin Li 2015/05/14 ecn no DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES ASME YI4.5M OTHERWISE SPECIFIE ExaMAX rel level Released product family WITH (i.e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE). 0.X | ±.3 ExaMAX VERTICAL HEADER 10124414 0.XX ±.10 surface linear 0.XXX  $| \pm .050$ ASS'Y, 2 PAIR, 80 POS, 10 IMLA SEE TABLE 0°  $\pm 2^{\circ}$  | www.fci.com | cat. no. Product - Customer Drw sheet 17 of 17 angular 3 PDS: Rev:A STATUS: Released Printed: May 15, 2015