



LOC		DISP		REVISIONS			
P	LV	DESCRIPTION	DATE	BY	CHK	APPV	
AI		REVISED PER ECO-11-005027	1 MAR 2011	AK	HMA		

PCB HOLE DIMENSIONS:
 DRILLED HOLE = 0.64 ± 0.02 mm
 FINISHED HOLE = 0.55 mm REF
 Cu THICKNESS = 25-50 um WITH EITHER
 PLATING THICKNESS:
 HASL Sn Pb = 4-10 um OR
 IMMERSION Sn = MIN 0.5 um OR
 OSP = 0.2-0.5 um OR
 IMMERSION Au/Ni = 0.5-1.2 um Au OVER 3.0-7.0 um Ni OR
 IMMERSION Ag = 0.1 um MIN

MATERIAL:
 HOUSING - LCP - 84V-0 RATED, COLOR - BLACK
 CONTACTS - COPPER ALLOY
 WEAR PLATE - STAINLESS STEEL
 INSULATION FILM - MYLAR

FINISH - MATING AREA - 0.76 um MIN GOLD OR
 0.64 um MIN PALLADIUM-NICKEL OVER 1.27 um MIN NICKEL
 COMPLIANT PIN AREA - 0.5 um MATTE TIN OVER 1.27 um NICKEL.

CONNECTOR MARKED WITH PART NUMBER AND DATE CODE.

DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

CONTACT AREA LUBRICATED WITH BELLCORE APPROVED LUBRICANT TECHNICAL REFERENCE GR-1217-CORE ISSUE 1, NOVEMBER 1995.

REFER TO TE CONNECTIVITY APPLICATION SPECIFICATION 114-13180 FOR SPECIFIC APPLICATION RELATED INFORMATION.

FINISH - MATING AREA - 0.76 um MIN GOLD OR
 0.64 um MIN PALLADIUM-NICKEL OVER 1.27 um MIN NICKEL
 COMPLIANT PIN AREA - 0.5 um BRIGHT TIN-LEAD OVER 1.27 um NICKEL.

WEAR PLATE EXTENDS FROM TOP OF CONNECTOR TO BOTTOM OF SLOT AND IS USED TO ELIMINATE WEAR OF THE HOUSING CAUSED BY THE EDGE OF THE PCB CARD.

INSULATION FILM USED WHEN ADDITIONAL INSULATION SPACING IS NEEDED BETWEEN PCB TRACES AND CONTACTS.

YES	NO	YES	NO	2-1469820-4
YES	NO	YES	NO	2-1469820-3
YES	NO	YES	NO	2-1469820-2
YES	NO	YES	NO	2-1469820-1
NO	YES	YES	NO	1-1469820-4
NO	YES	YES	NO	1-1469820-3
NO	YES	YES	NO	1-1469820-2
NO	YES	NO	NO	1-1469820-1
NO	NO	YES	YES	1469820-4
NO	NO	NO	NO	1469820-3
NO	NO	NO	YES	1469820-2
NO	NO	NO	NO	1469820-1

INSULATION FILM	FINISH	WEAR PLATE	ALIGNMENT POSTS	PART NUMBER
YES	NO	YES	NO	2-1469820-4
YES	NO	YES	NO	2-1469820-3
YES	NO	YES	NO	2-1469820-2
NO	YES	YES	NO	1-1469820-4
NO	YES	YES	NO	1-1469820-3
NO	YES	NO	NO	1-1469820-2
NO	YES	NO	NO	1-1469820-1
NO	NO	YES	YES	1469820-4
NO	NO	NO	NO	1469820-3
NO	NO	NO	YES	1469820-2
NO	NO	NO	NO	1469820-1

SUPERCEDED BY 1-1469820-4
 SUPERCEDED BY 1-1469820-3
 SUPERCEDED BY 1-1469820-2
 SUPERCEDED BY 1-1469820-1

THIS DRAWING IS A CONTROLLED DOCUMENT. SW D SZCZESNY

TE Connectivity

CARD EDGE CONNECTOR, VERTICAL MICRO TCA

PRODUCT SPEC 108-2254
 APPLICATION SPEC 114-13180

WEIGHT -
 CUSTOMER DRAWING

SHEET 3 OF 2 REV A1

