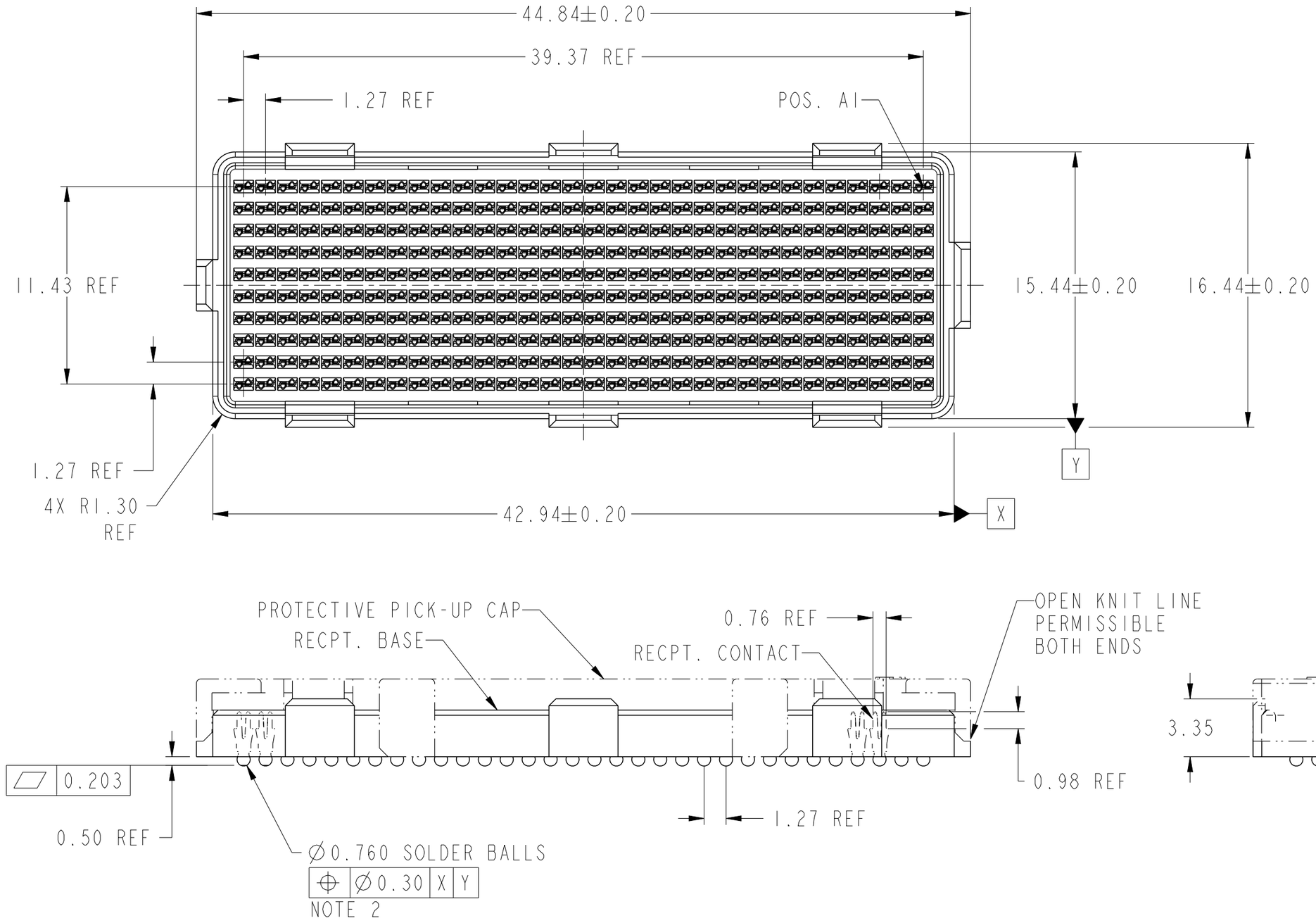
PRODUCT NUMBER
SEE SHEET 3



Copyright FCI.

spec ref	-			dr	Dave Horchler	2013/01/22	projection	mm
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dave Horchler	2013/01/25		
				chr	-	-		
				appr	R Marshall	2013/01/25	product family	MEG-ARRAY
surface 3.2	linear	0.X	±0.3	FCI	title	4mm RECEPTACLE ASSEMBLY -NATURAL	dwg no	10123982
		0.XX	±0.10			10 X 32 = 320 POS.		
		0.XXX	±0.050					
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 3

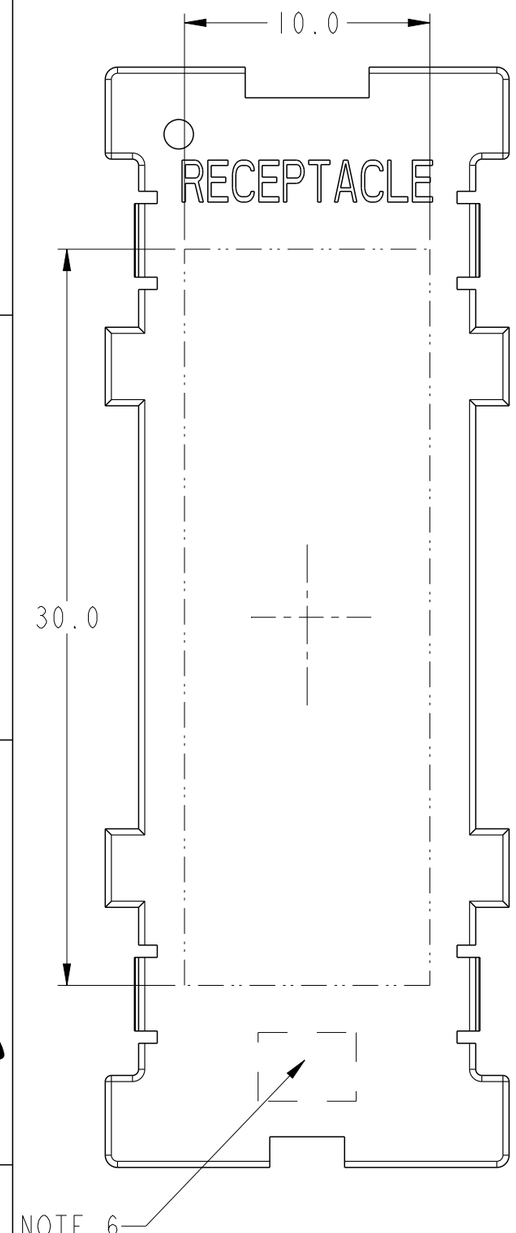
size	scale	rev
A3	1:1	A

ecn no -
rel level **Released**

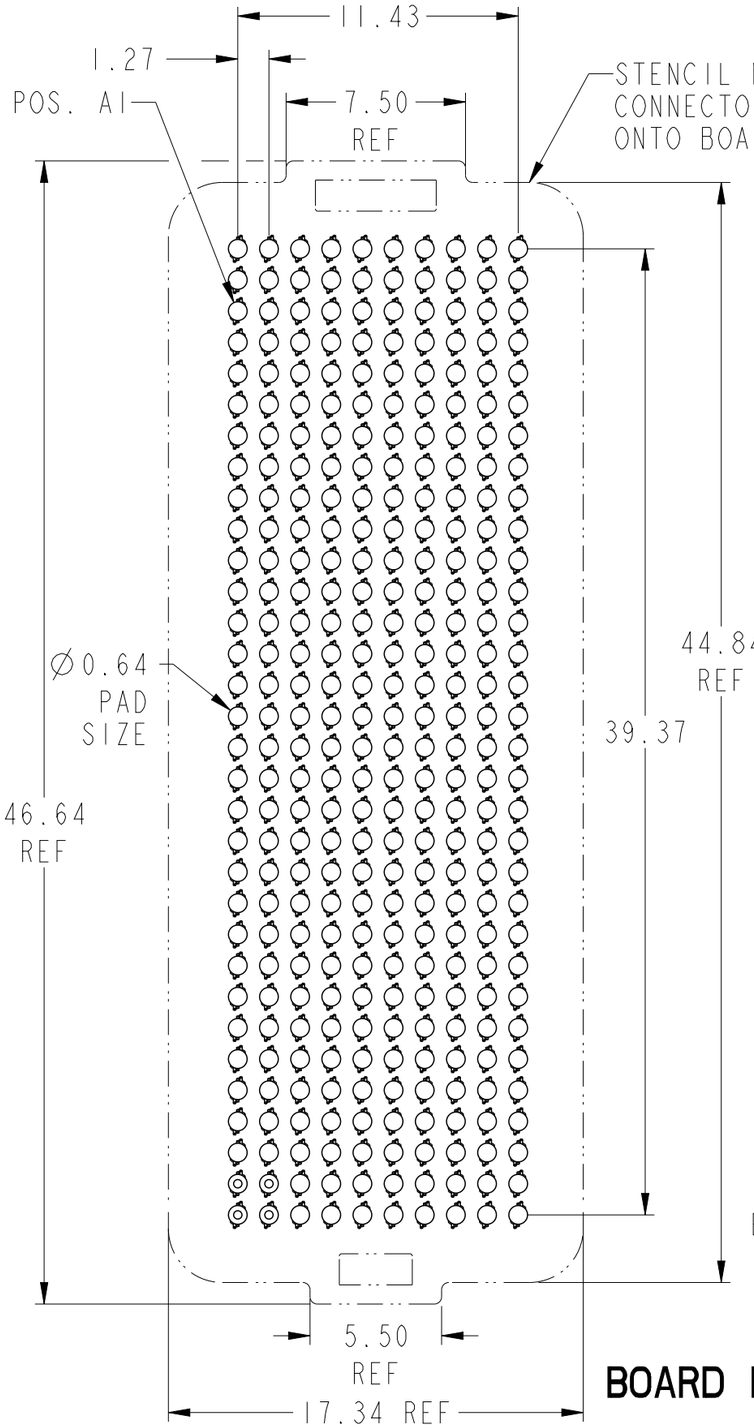
Pro/E File - REV C - 2009-06-09

PDS: Rev :A STATUS:Released Printed: Jan 26, 2013

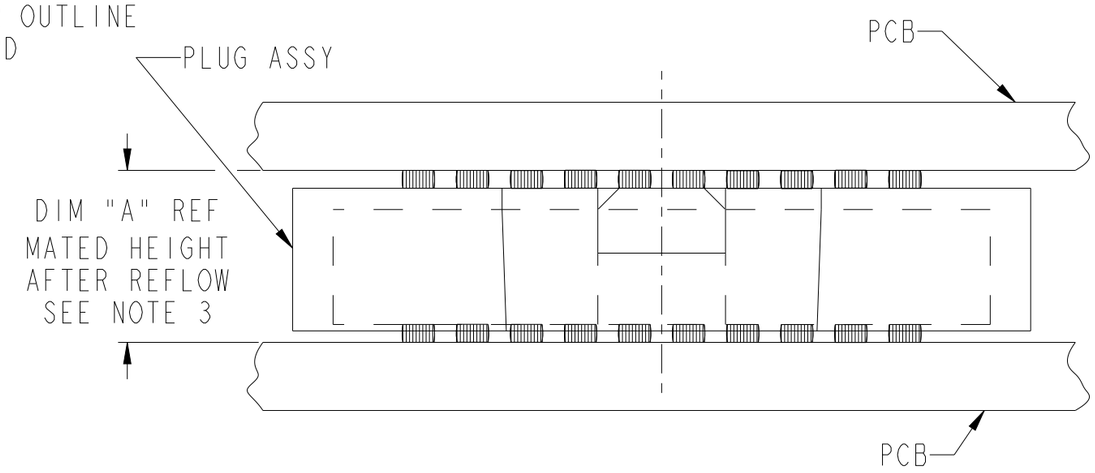
PRODUCT NUMBER
SEE SHEET 3



FLAT AREA FOR
PICK-UP CAP

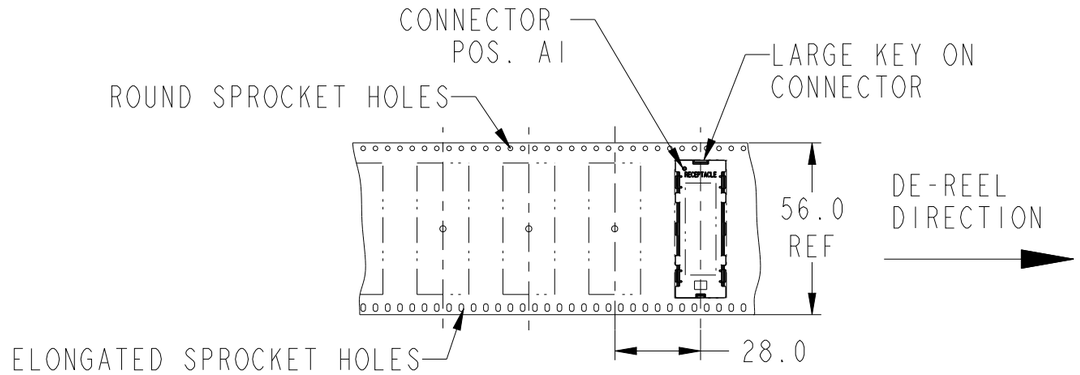


BOARD PATTERN



MATED HEIGHT AFTER REFLOW IS BASED ON Ø 0.64mm PAD (METAL-DEFINED) AND 0.13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3

END VIEW - MATED CONNECTORS
SCALE NONE



TAPE & REEL PACKAGING
PER EIA 481-3
SCALE NONE

spec ref	-			dr	Dave Horchler	2013/01/22	projection	mm	size A3	scale 1:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dave Horchler	2013/01/25				
				chr	-	-			ecn no	-
				appr	R Marshall	2013/01/25	product family	MEG-ARRAY	rel level	Released
surface 3.2	linear	0.X	±0.3	FCI	title	4mm RECEPTACLE ASSEMBLY -NATURAL			dwg no	rev
ASME Y14.5		0.XX	±0.10			10 X 32 = 320 POS.		10123982		A
		0.XXX	±0.050							
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 2 of 3	

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PDS: Rev :A STATUS:Released Printed: Jan 26, 2013

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
10123982-001	YES	15u" (.38um) Au	SnPb	
10123982-001LF	YES	15u" (.38um) Au	LEAD FREE	5
10123982-091	YES	15u" (.38um) GXT	SnPb	
10123982-091LF	YES	15u" (.38um) GXT	LEAD FREE	5
10123982-101	YES	30u" (.76um) Au	SnPb	
10123982-101LF	YES	30u" (.76um) Au	LEAD FREE	5
10123982-191	YES	30u" (.76um) GXT	SnPb	
10123982-191LF	YES	30u" (.76um) GXT	LEAD FREE	5
10123982-201	YES	50u" (1.27um) Au SPECIAL	SnPb	7
10123982-201LF	YES	50u" (1.27um) Au SPECIAL	LEAD FREE	5 AND 7
10123982-291	YES	50u" (1.27um) GXT SPECIAL	SnPb	7
10123982-291LF	YES	50u" (1.27um) GXT SPECIAL	LEAD FREE	5 AND 7

NOTES:

1. MATERIAL:
   HOUSING: LCP-NATURAL COLOR
   CONTACT: COPPER ALLOY

   PLATING:
   CONTACT: SEE TABLE FOR PLATING AND THICKNESS OPTIONS (OVER Ni UNDERPLATE)
   SOLDER BALL: SnPb OR LEAD FREE (95.5Sn/4Ag/0.5Cu) OPTIONS, SEE TABLE.

2. SOLDER BALLS WILL NOT HAVE PERFECT SPHERICAL SHAPES DUE TO REFLOW ATTACHMENT.

3. MATED HEIGT WHEN MATED WITH 10123981-XXX WILL BE APPROXIMATELY 4mm.
   MATED HEIGHT WILL BE EFFECTED BY CUSTOMER'S PCB DESIGN AND REFLOW PROCESS.

4. FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033.
   LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS
   DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS
   COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPEC.

(5.) THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED INGS-47-0004.
PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X"
IN THE SEVENTH CHARACTER POSITION.

6. CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.

(7.) PLATING FOR THE -2XX SERIES OF PRODUCT NUMBERS MEET THE REQUIREMENTS OF
GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY).
THE CONTACTS IN THESE PRODUCT NUMBERS ALSO HAVE SPECIAL CONTACT GEOMETRY.

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spec ref	-	dr	Dave Horchler	2013/01/22	projection	mm	size A3 / scale 1:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Dave Horchler	2013/01/25			ecn no -
		chr	-	-			
		appr	R Marshall	2013/01/25	product family	MEG-ARRAY	rel level Released
surface 3.2	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.050	FCI			title	4mm RECEPTACLE ASSEMBLY -NATURAL 10 X 32 = 320 POS.	dwg no 10123982 / rev A
ASME Y14.5	angular 0° ±2°	www.fci.com			cat. no.	-	Product - Customer Drw / sheet 3 of 3