



Copyright FCI.

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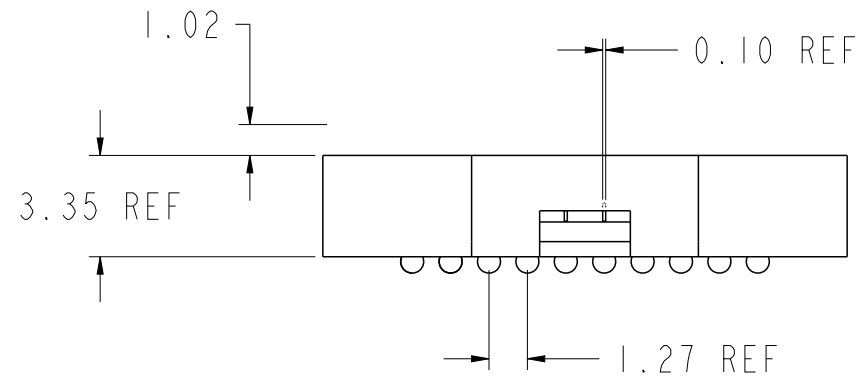
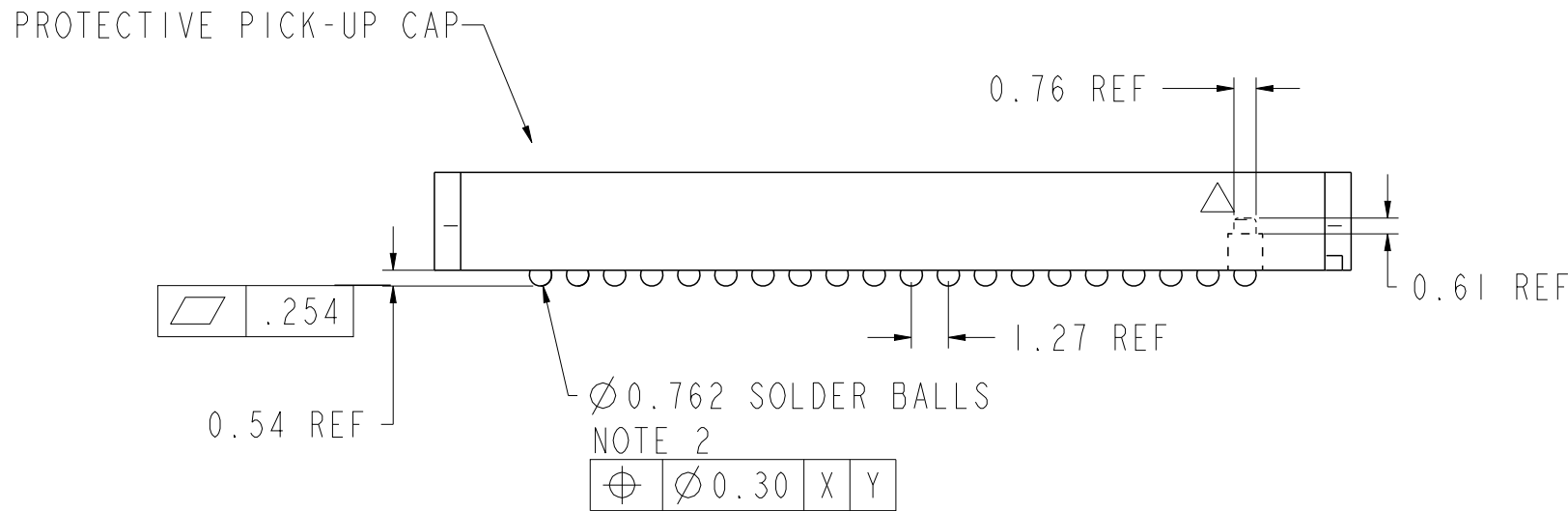
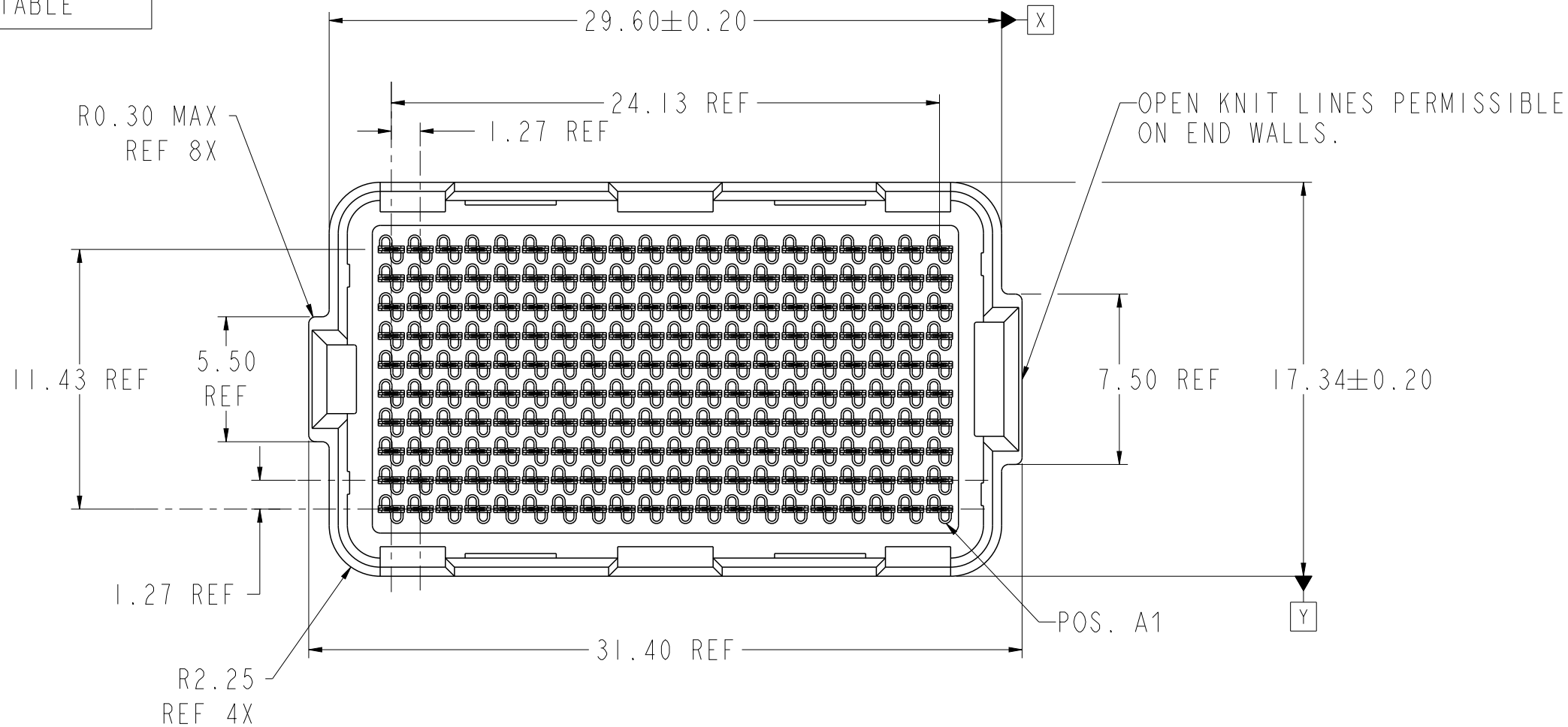
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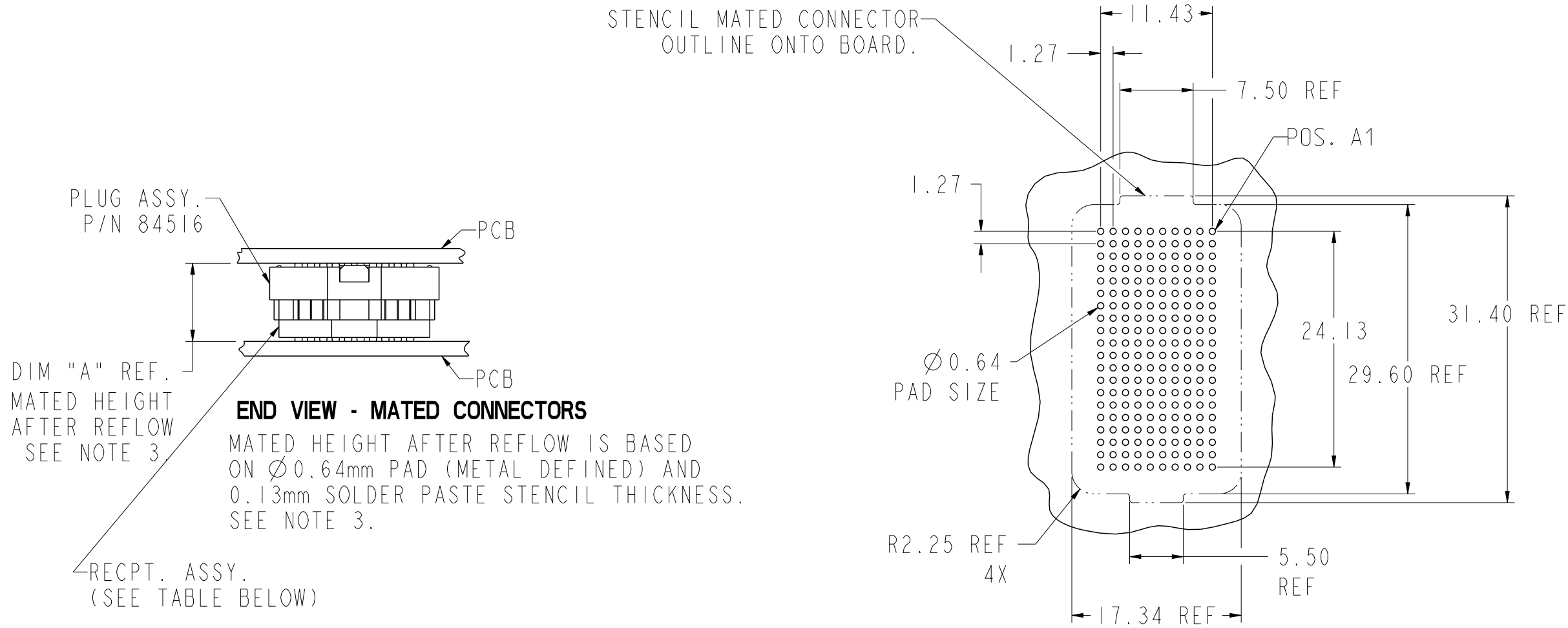
D

PRODUCT NUMBER
SEE TABLE



spec ref	-	dr	wcadmin	2001/11/16	projection	mm	size	A3	scale	4:1
tolerance std	ASME Y14.5	eng	Dave Horchler	2012/11/21	chr	-	ecn no	ELX-V-13512-1	rel level	Released
surface	✓	appr	R Marshall	2012/11/26	product family	MEG-ARRAY	rel level	Released	rev	H
linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	angular	0°	±2°	
ASME Y14.5										
www.fci.com	cat. no.	0mm PLUG ASSEMBLY	10 x 20 = 200 POSITIONS	dwg no	84516	rev	H	Product - Customer Drw	sheet 1 of 5	

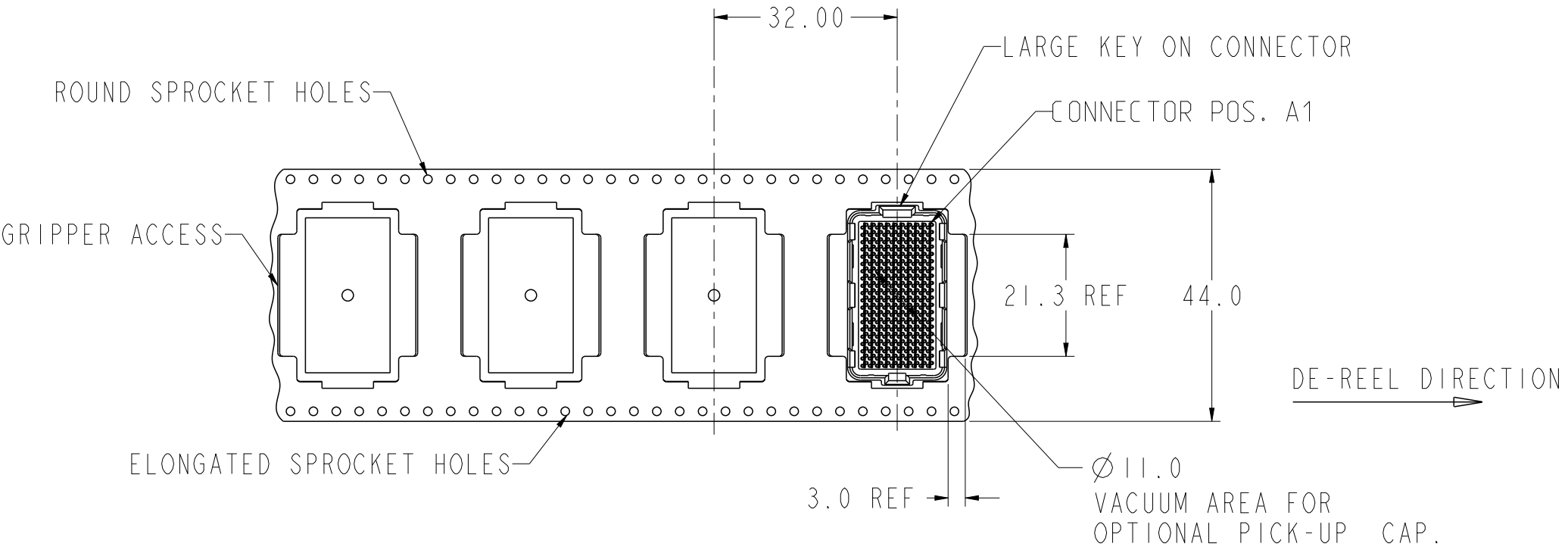
PRODUCT NUMBER
SEE TABLE



MATED HEIGHT TABLE		
DIM "A"	RECPT. ASSY. P/N	-2XX PLATING
4.0	84517	SEE NOTE 4
6.0	55724	SEE NOTE 5
8.0	84535	SEE NOTE 5

spec ref -				dr w cadmin		2001/11/16		projection		mm		size A3		scale 10:1					
tolerance std ASME Y14.5 -		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Dave Horchler		2012/11/21						ecn no ELX-V-13512-1					
						chr -		-											
						appr R Marshall		2012/11/26		product family MEG-ARRAY		rel level Released							
surface ✓		linear		0.X ±0.3		0.XX ±0.10		0.XXX ±0.050				title 0mm PLUG ASSEMBLY 10 x 20 = 200 POSITIONS				dwg no 84516		rev H	
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 2 of 5					

PRODUCT NUMBER
SEE TABLE



TAPE & REEL PACKAGING

PER EIA 481-3



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spec ref -				dr w wcadmin		2001/11/16		projection		mm		size A3		scale 1:1					
tolerance std ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Dave Horchler		2012/11/21				ecn no ELX-V-13512-1							
chr -						-													
appr R Marshall						2012/11/26		product family MEG-ARRAY								rel level Released			
surface ✓		linear		0.X ±0.3		0.XX ±0.10		0.XXX ±0.050				title 0mm PLUG ASSEMBLY 10 x 20 = 200 POSITIONS				dwg no 84516		rev H	
ASME Y14.5		angular		0° ±2°		www.fci.com		cat. no.		Product - Customer Drw				sheet 3 of 5					

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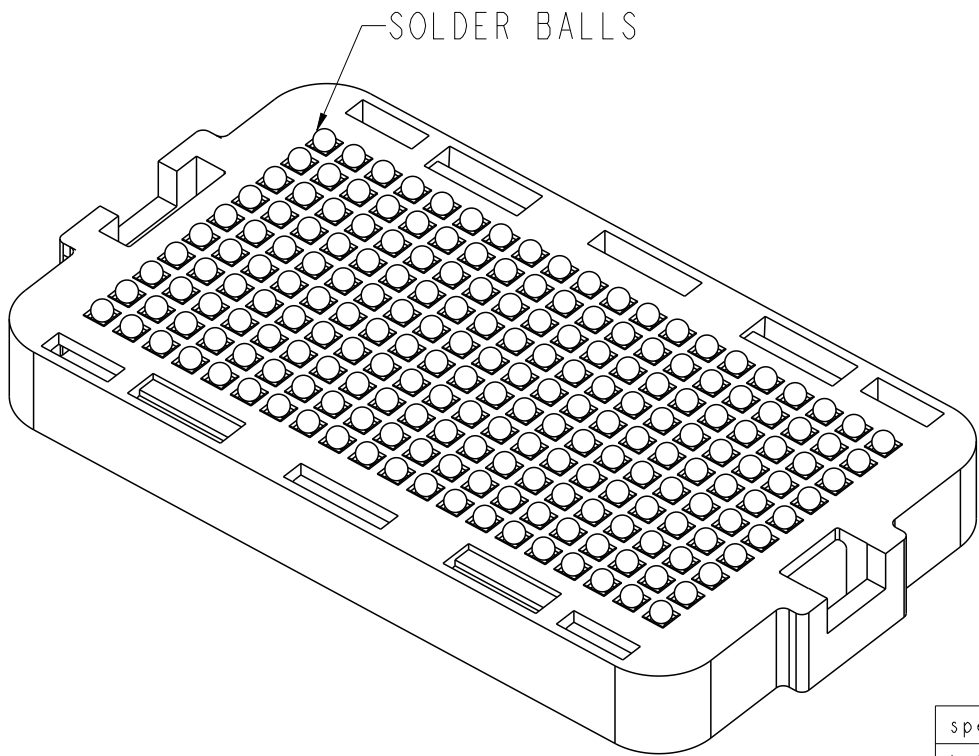
A

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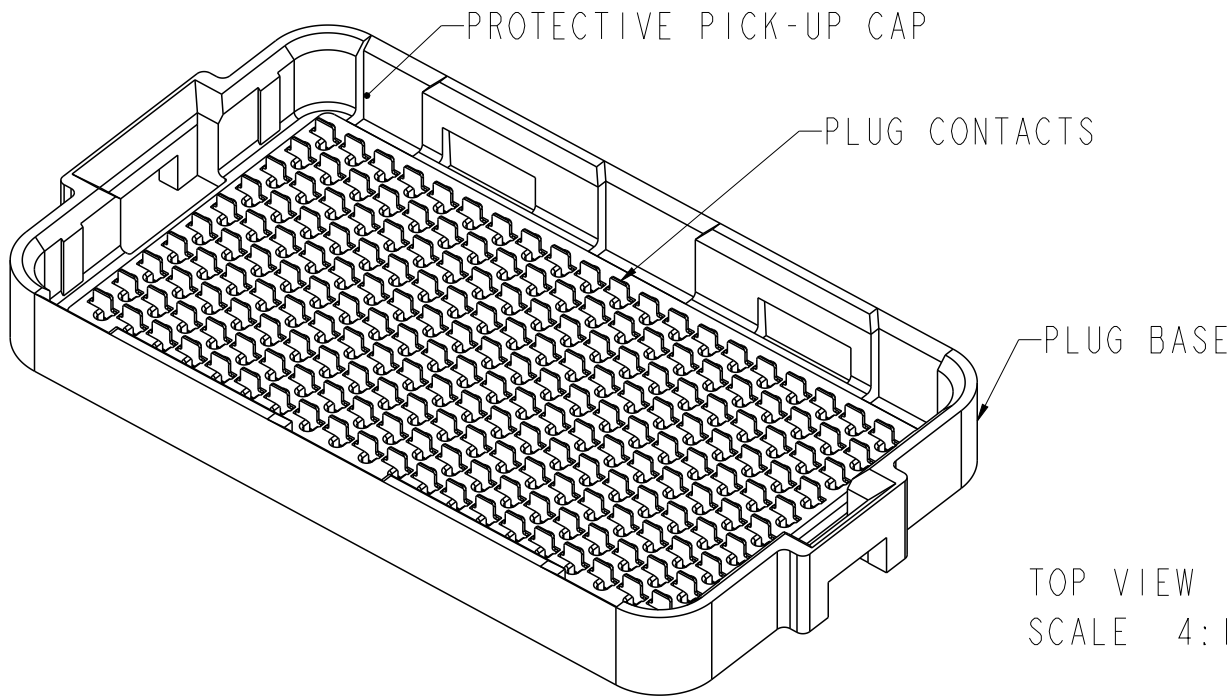
C

D

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84516-002	YES	15μ" / (.38μm) Au	SnPb	9
84516-002LF	YES	15μ" / (.38μm) Au	LEAD FREE	7 AND 9
84516-092	YES	15μ" / (.38μm) GXT		
84516-092LF	YES	15μ" / (.38μm) GXT		
84516-102	YES	30μ" / (.76μm) Au	SnPb	9
84516-102LF	YES	30μ" / (.76μm) Au	LEAD FREE	7 AND 9
84516-192	YES	30μ" / (.76μm) GXT	SnPb	4, 5 AND 9
84516-192LF	YES	30μ" / (.76μm) GXT		
84516-202	YES	50μ" / (1.27μm) Au SPECIAL		
84516-202LF	YES	50μ" / (1.27μm) Au SPECIAL	LEAD FREE	4, 5, 7 AND 9
84516-292	YES	50μ" / (1.27μm) GXT SPECIAL		
84516-292LF	YES	50μ" / (1.27μm) GXT SPECIAL		
84516-A02	YES	30μ" / (.76μm) SPECIAL	SnPb	8
84516-A02LF	YES	30μ" / (.76μm) SPECIAL	LEAD FREE	7 AND 8
84516-302	YES	15μ" / (.38μm) Au SPECIAL	SnPb	8
84516-302LF	YES	15μ" / (.38μm) Au SPECIAL	LEAD FREE	7 AND 8
84516-402	YES	30μ" / (.76μm) Au SPECIAL	SnPb	8
84516-402LF	YES	30μ" / (.76μm) Au SPECIAL	LEAD FREE	7 AND 8
84516-502	YES	Au SPECIAL	SnPb	4, 5 AND 8
84516-502LF	YES	Au SPECIAL	LEAD FREE	4, 5, 7 AND 8



BOTTOM VIEW
SCALE 4:1



TOP VIEW
SCALE 4:1

spec ref	-	dr	wcadmin	2001/11/16	projection	mm	size	A3	scale	1:1
tolerance std	ASME Y14.5	eng	Dave Horchler	2012/11/21	chr	-	ecm no	ELX-V-13512-1	rel level	Released
surface	✓	appr	R Marshall	2012/11/26	product family	MEG-ARRAY	rel level	Released	rev	H
linear	0.X ±0.3	0.XX ±0.10	0.XXX ±0.050	angular	0° ±2°	title	0mm PLUG ASSEMBLY 10 x 20 = 200 POSITIONS	dwg no	84516	cat. no.
ASME Y14.5	www.fci.com	Product - Customer Drw			sheet 4 of 5					

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PDS: Rev :H

STATUS:Released

Printed: Nov 27, 2012





PRODUCT NUMBER
SEE TABLE

NOTES:

1. MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING CONTACT: SEE TABLE ON SHEET 4
SOLDER BALL: SEE TABLE ON SHEET 4
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu
2. SOLDER BALLS WILL NOT BE PERFECT
SPHERICAL SHAPE DUE TO REFLOW
ATTACHMENT.
3. MATED HEIGHT EFFECTED BY CUSTOMER'S
PCB PAD SIZE, PLATING, SOLDER REFLOW
PROFILE & SOLDER PASTE.
4. PLATING FOR INDICATED -2XX SERIES PRODUCT NUMBERS
MEET THE REQUIREMENTS OF
GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT,
(25 YEAR LIFE EXPECTANCY).
5. PLATING FOR INDICATED -2XX SERIES PART NOS.
IS Au OVER Ni WITH SPECIAL CONTACT
GEOMETRY TO MEET REQUIREMENTS OF
TELCORDIA GR-1217-CORE: CENTRAL OFFICE ENVIRONMENT.

6. FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION
GS-20-033. LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY
IN A LEADED SOLDER PROSESS DUE TO A HIGHER REFLOW TEMPERATURE
LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI
APPLICATION SPECIFICATION.
7. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVE AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-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.
8. 84516-A02 AND -A02LF PLATING IS CUSTOMER SPECIAL.
10.  SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref -				dr w cadmin		2001/11/16		projection 	mm 	size A3	scale 2:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Dave Horchler	2012/11/21		ecn no ELX-V-13512-1				
				chr -	-		rel level Released				
				appr R Marshall		2012/11/26		product family MEG-ARRAY			
surface 	linear	0.X	±0.3		title 0mm PLUG ASSEMBLY 10 x 20 = 200 POSITIONS				dwg no 84516	rev H	
		0.XX	±0.10								
		0.XXX	±0.050								
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.			Product - Customer Drw			sheet 5 of 5

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[84516-002](#) [84516-202](#) [84516-102LF](#) [84516-002LF](#) [84516-202LF](#) [84516-A02](#) [84516-102](#) [84516-292LF](#) [84516-292](#)
[84516-192](#) [84516-192LF](#) [84516-092LF](#) [84516-092](#)