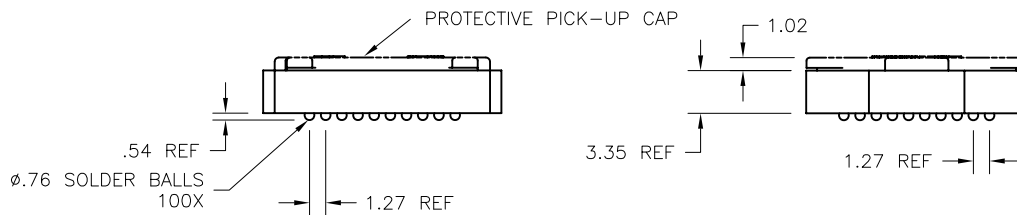


PRODUCT No.	PICK-UP CAP (NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84512-002	YES	15u" (.38um) Au	SnPb	
84512-002LF	YES	15u" (.38um) Au	LEAD FREE	5
84512-092	YES	15u" (.38um) GXT	SnPb	
84512-092LF	YES	15u" (.38um) GXT	LEAD FREE	5
84512-102	YES	30u" (.76um) Au	SnPb	
84512-102LF	YES	30u" (.76um) Au	LEAD FREE	5
84512-192	YES	30u" (.76um) GXT	SnPb	
84512-192LF	YES	30u" (.76um) GXT	LEAD FREE	5
84512-202	YES	Au SPECIAL	SnPb	3
84512-202LF	YES	Au SPECIAL	LEAD FREE	3 AND 5
84512-292	YES	GXT SPECIAL	SnPb	3
84512-292LF	YES	GXT SPECIAL	LEAD FREE	3 AND 5
84512-302	YES	15u" (.38um) Au SPECIAL	SnPb	6
84512-302LF	YES	15u" (.38um) Au SPECIAL	LEAD FREE	5 AND 6
84512-402	YES	30u" (.76um) Au SPECIAL	SnPb	6
84512-402LF	YES	30u" (.76um) Au SPECIAL	LEAD FREE	5 AND 6
84512-502	YES	Au SPECIAL	SnPb	3 AND 6
84512-502LF	YES	Au SPECIAL	LEAD FREE	3, 5 AND 6



mat'l. code		surface		tolerance		projection		product family	
-		ASME Y14.5		ASME Y14.5				MEG-Array	
tr		ecn no		dr		date		title	
H		V12-0030		RE		2012-08-06		10 X 10 = 100 POSITION	
J		V12-0035		PK		2012-09-27		Omm PLUG ASSY.	
K		V12-0043		DCH		2012-11-15		sheet 1 of 3	
-		-		-		-		size	
-		-		dr		D.WAUGHEN		2000-03-08	
E		V04-0940		VS		2004-10-18		2000-03-08	
F		V06-0560		LP		2006-07-14		2000-03-08	
G		V07-0663		LP		2007-10-29		2000-03-08	
sheet		revision		K		K		K	
index		sheet		1		2		3	

NOTES:

①. MAT'L

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING

CONTACT: (SEE TABLE ON SHEET1)
SOLDER BALL: (SEE TABLE ON SHEET1)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

2. OVERALL BOARD-TO-BOARD STACK
HEIGHT WHEN MATED TO P/N 84513
100 POSITION 4.0mm RECPT. IS 4.0mm REF.



3. PLATING FOR -2XX SERIES PRODUCT NUMBERS MEET
THE REQUIREMENTS OF CENTRAL OFFICE ENVIRONMENT, 25 YEAR LIFE EXPECTANCY.
THE CONTACT GEOMETRY IN THESE PRODUCT NUMBERS IS SPECIAL, ALSO

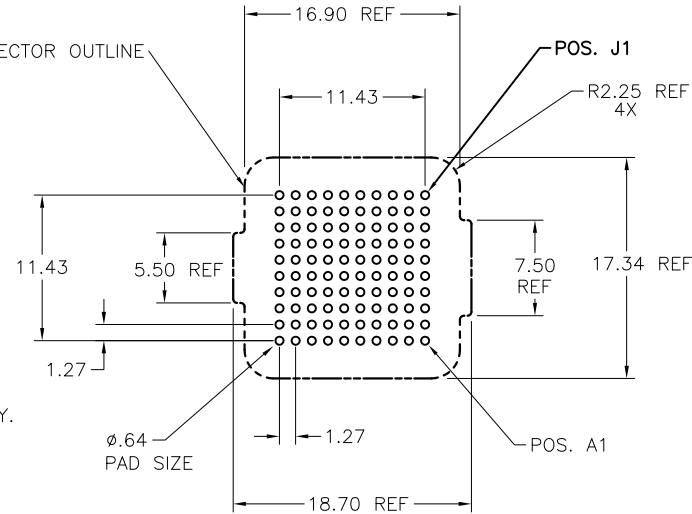
④. FOR PROPER APPLICATION FOLLOW FCI APPLICATION
SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL
NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE
PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE
FCI APPLICATION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

⑤. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES 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

⑥. 84512-302, -302LF, -402, -402LF, -502 AND -502LF ARE OBSOLETE

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

ONTO BOARD.
STENCIL MATED CONNECTOR OUTLINE



BOARD PATTERN

mat'l. code		surface		tolerance		projection		product family	
-		ASME Y14.5		ASME Y14.5				MEG-Array	
ltr	ecr no	dr	date	tolerances unless otherwise specified					
k				angles	X ±3		MM		
				0' ±2'	.XX ±10		scale 1:1		
					XXX ±050				
		dr	D.VAUGHEN	2000-08-03					
		enr	B.SPINK	2000-09-08					
		chr	B.SPINK	2000-09-08					
		appd	B.SPINK	2000-09-08					
sheet index	revision sheet							dwg no	
								sheet 2 of 3 size	
								84512 A4	
								type CUSTOMER Drawing	



Copyright FCI

1 | 2



FCIconnect.com



3 |



4

ROUND SPROCKET HOLES

LARGE KEY ON CONNECTOR

CONNECTOR
POS. A1

28.00

32.00

DE-REEL DIRECTION



ELONGATED HOLES

A

A

B

B

mat'l. code		surface		tolerance		projection		product family		
-		ASME Y14.5		ASME Y14.5				MEG-Array		
ltr	ecn no	dr	date	tolerances unless otherwise specified						
k				angles	mm	X ±3		title		
				0° ±2'		.XX ±.10		Omm PLUG ASSY.		
						XXX ±.050		10 X 10 = 100 POSITION		
		dr	D.WAUGHEN	2000-03-08	scale		1:1		dwg no	
		engr	B.SPINK	2000-03-08			sheet 3 of 3		size	
		chr	B.SPINK	2000-03-08			84512		A4	
		appd	B.SPINK	2000-03-08			CUSTOMER Drawing		type	
sheet index	revision sheet									

form: A4mmXLC

1 |

2 |

3 |

4