



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



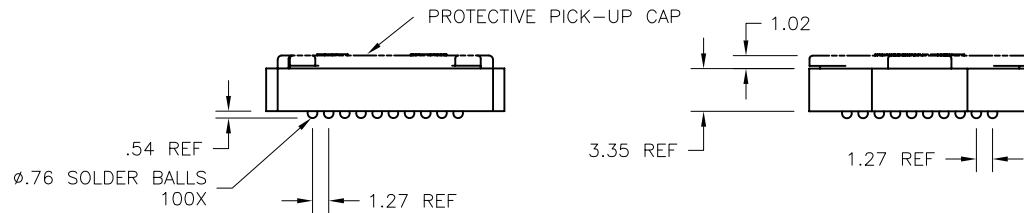
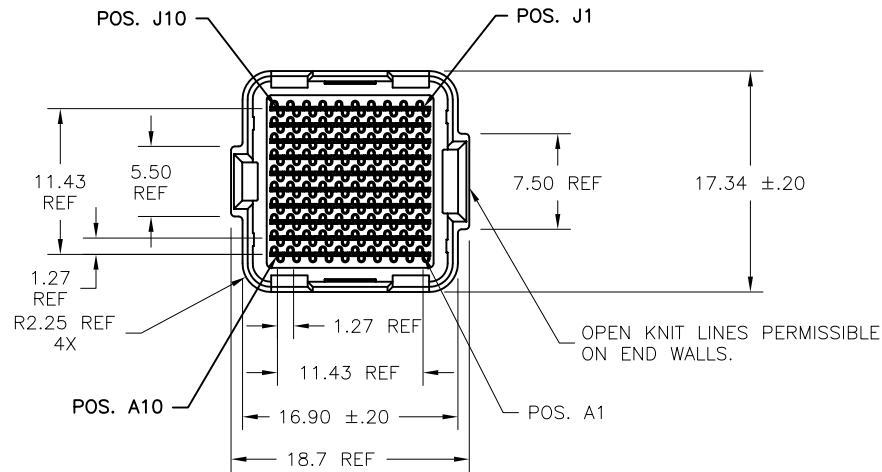
## Contact us

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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
<del>84512-302</del>	<del>YES</del>	<del>15u" (.38um) Au SPECIAL</del>	<del>SnPb</del>	<del>6</del>
<del>84512-302LF</del>	<del>YES</del>	<del>15u" (.38um) Au SPECIAL</del>	<del>LEAD FREE</del>	<del>5 AND 6</del>
<del>84512-402</del>	<del>YES</del>	<del>30u" (.76um) Au SPECIAL</del>	<del>SnPb</del>	<del>6</del>
<del>84512-402LF</del>	<del>YES</del>	<del>30u" (.76um) Au SPECIAL</del>	<del>LEAD FREE</del>	<del>5 AND 6</del>
<del>84512-502</del>	<del>YES</del>	<del>Au SPECIAL</del>	<del>SnPb</del>	<del>3 AND 6</del>
<del>84512-502LF</del>	<del>YES</del>	<del>Au SPECIAL</del>	<del>LEAD FREE</del>	<del>3, 5 AND 6</del>

mat'l. code		surface		tolerance		projection		product family	
-		ASME Y14.5		ASME Y14.5		ASME Y14.5		MEG-Array	
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM		title	
H	V12-0030	RE	2012-08-06	angles	X ±3	MM		Omm PLUG ASSY.	
J	V12-0035	PK	2012-09-27	0° ±2'	XX ±10	scale 1:1		10 X 10 = 100 POSITION	
K	V12-0043	DCH	2012-11-15	0° ±2'	XXX ±050	scale 1:1		dwg no	
-		-		dr	D.WAUGHEN	2000-03-08		sheet 1 of 3	
-		-		engr	B.SPINK	2000-03-08		size	
-		-		chr	B.SPINK	2000-03-08		84512	
-		-		appd	B.SPINK	2000-03-08		A4	
-		-		sheet				type	
-		-		index				CUSTOMER Drawing	
-		-		revision	K	K	K		
-		-		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

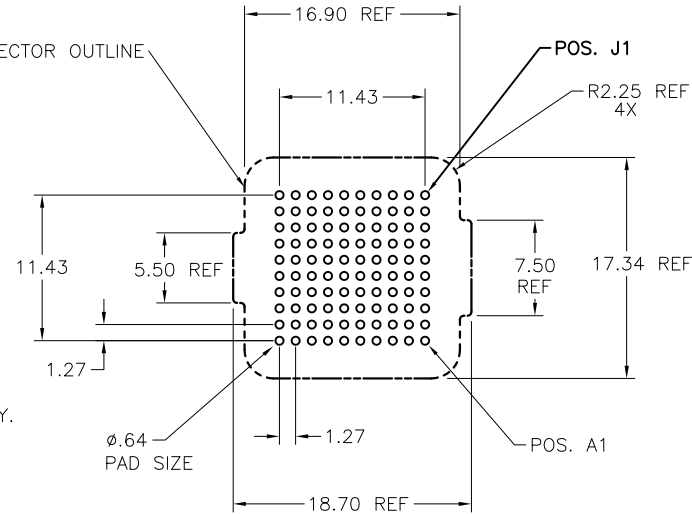
④. FOR PROPER APPLICATION FOLLOW FCI APPLICATION  
SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL  
NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS  
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE  
PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH  
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE  
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	ecn no	dr	date	tolerances unless otherwise specified		MM		title	
k				angles	X ±3	MM		Omm PLUG ASSY.	
				0° ±2'	.XX ±.10	scale 1:1		10 X 10 = 100 POSITION	
					XXX ±.050	FCI		dwg no	
		dr	D.VAUGHEN	2000-08-03				sheet 2 of 3	
		engr	B.SPINK	2000-09-08				size	
		chr	B.SPINK	2000-09-08				84512	
		appd	B.SPINK	2000-09-08				A4	
sheet index	revision sheet							type	
								CUSTOMER Drawing	



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1 | 2



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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			type		CUSTOMER Drawing	
sheet index	revision sheet									

form: A4mmXLC

1

2

3

4