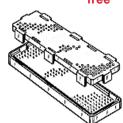
84512-102LF - MEG-ARRAY® : 100 Position BGA Plug, 0mm Component Height, 1.27mm x 1.27mm Array, Lead-







Mating Half

№84513-101LF

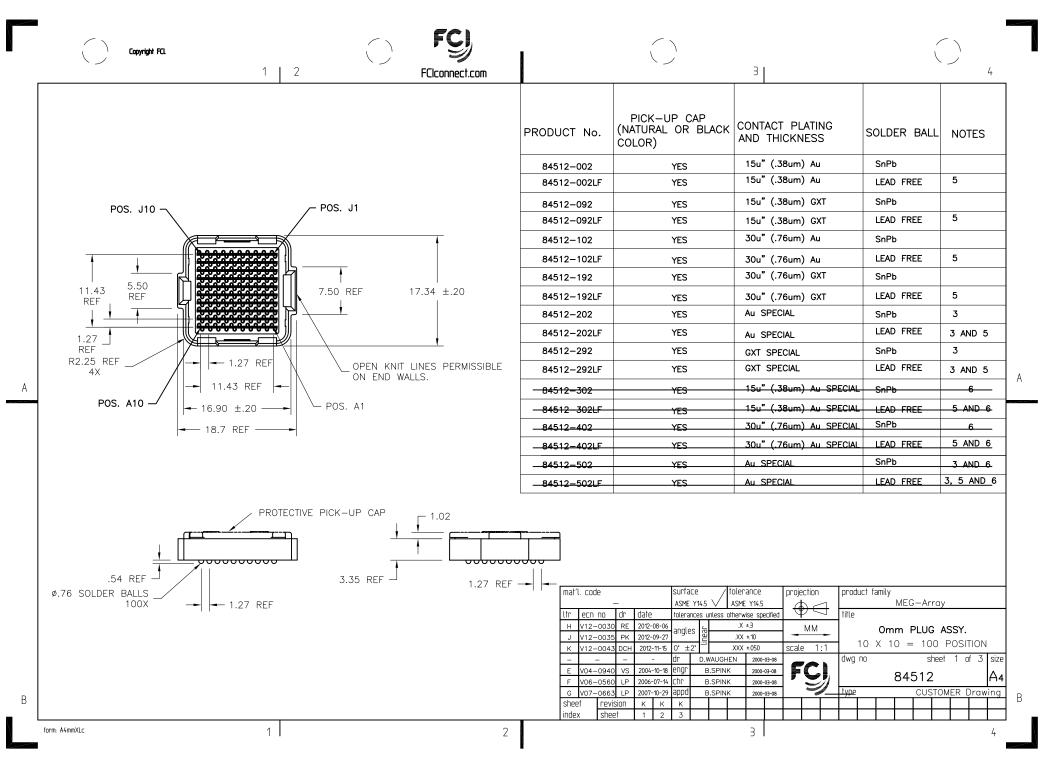
≥84513-001LF

№84513-201LF

Specifications

General	
Gender	Plug
Number of contacts (Total)	100
Quantity (per reel)	250
Dimensional	
Height (Mated)	4mm
Spacing (Board - approx. after soldering)	4 mm (0.157 in.)
Electrical	
Current rating	0.45 amps
Resistance (Contact)	20 to 25 m ohms max. (Initial), 10 m ohms max. increase (After testing)
Resistance (Insulation)	1000 M ohms
Voltage rating	200V AC
Mechanical	
Durability (Mating cycles)	50
Withdrawal Force	20 grams Per contact average
Mating force	30 grams Per contact average
Physical	
Material (Contact)	Copper Alloy
Material (Tail)	Lead-free solder balls: 95.5Sn / 4Ag / 0.5Cu
Material (Housing)	LCP
Plating (Contact area)	0.76 μm (30 μin.) Gold over 0.76 μm (30 μin.) Nickel
Temperature (Operating - range)	-40°C to +85°C
Approvals / Certifications	
UL File Number	E66906
CSA File Number	E66906
Approvals / Certifications	UL and CSA Approved
Other Features	
Most Popular Configuration	-

Packaging (Type)	Tape and Reel					
Literature	950554-001					
Pick-up Cap	Yes					



PDM: Rev:K STATUS: Released Printed: Nov 16, 2012

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ONTO BOARD.

3 1

NOTES:

MAT'L

HOUSING: LCP

CONTACT: COPPER ALLOY

PLATING

CONTACT: (SEE TABLE ON SHEET1) SOLDER BALL: (SEE TABLE ON SHEET1)

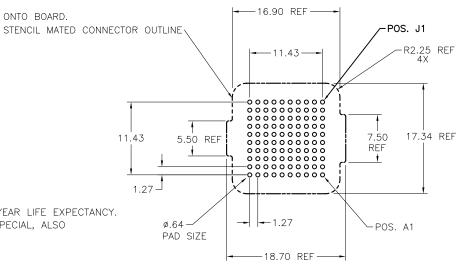
EUTECTIC SnPb OR LEAD FREE

95.5Sn/4Aq/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 THERFORE 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 A SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION



BOARD PATTERN

mat'l. code						surface			/ tolerance		projection			product family										
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						0° ±2° XXX				±.050		scale	2 1	:1	10 X 10 = 100 POSITION									
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form: A4mmXLc

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PDM: Rev:K

