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					B THICKNESS RANGE ATED BY PIN'S TAIL LENGTH							
PIN CODE NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING SERIES METRAL			ATING TO A 52066 RAL 4000 RECEPTA						
			ROWS A,B,C, D,E,F,G&H	GROUND ROW	ROWS:A,B,D, E,G&H	ROW C&F	GROUND ROW					
*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	1.60 MIN					
22		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20					
30		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95					
5		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70					
35	5.00	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45					
48		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20					
40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70					
6.5		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40					
9		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10					
2*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN					
4 4		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20					
31		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95					
6		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70					
36	5.75	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45					
49		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20					
25		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70					
66		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40					
10		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10					
3*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN					
45		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20					
32		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95					
7		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70					
37	6.50	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45					
50		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20					
4	1	15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70					
2 4	1	16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40					
11		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10					
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\* STUB PINS - NO REAR PLUG-UP \*\*
THE GREATEST RANGE OCCURS WHEN THE B
DIMENSION OF PIN 'GND' IS ONE SIZE
SHORTER THEN THE OTHER PINS.

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PDM: Rev:R

STATUS: Released

Printed: Jun 28, 2007

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REV E - 2006-04-18

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					B THICKNESS RANG MODATED BY PIN L	_						
PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	WHEN MATING SERIES METRAL	TO A 74981 1000 RECEPTACLE	WHEN MATING TO A 52066 SERIES METRAL 4000 RECEPTACLE							
			ROWS A,B,C, D,E,F,G&H	GROUND ROW	ROWS:A,B,D,E,G&H	ROW C&F	GROUND ROW					
4 *		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN					
46		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20					
33		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95					
8		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70					
38	7.25	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45					
51		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20					
42		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70					
6.7		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40					
12		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10					
19*		4.30	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN	I.60 MIN					
47		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20					
3.4		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95					
20		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70					
39	8.00	14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45					
52	1	15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20					
43	_	15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70					
68		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40					
21		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10					

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THE GREATEST RANGE OCCURS WHEN THE
B DIMENSION OF PIN 'GND' IS ONE
SIZE SHORTER THEN THE OTHER PINS.

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PRODUCT NUMBER SEE SHEET

NOTES:

- I. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS. REPAIR PROCEDURES AND PRODUCT OFFERINGS.
- SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS." SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-VO.
- PIN MATERIAL: PHOSPHER BRONZE
- GROUND SPRING MATERIAL: PHOSPHER BRONZE
- 8. STRIPLINE SHIELD MATERIAL: PHOSPHER BRONZE
- PLATING INFORMATION: PLATING IN CONTACT ARE MEETS PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET I. PLATING ON "LF" TAILS IS Sn ONLY; AND SnPb ON ALL OTHERS.
- 10. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
  - FOR MATING WITH METRAL 1000 RECEPTACLES DIM A : 5.00mm MIN. 8.00mm MAX FOR ROWS A-H
  - DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A
  - DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-H
  - DIM C: 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
  - FOR MATING WITH METRAL 4000 RECEPTACLES
  - DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A, B, D, E, G & H
  - DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS C & F
  - DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A DIM C: 5.00mm MIN, 7.00mm MAX FOR ROWS A. B. D. E. G & H
  - DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS C & F
  - DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
- II. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLAINT SECTIONS OF THE GROUNG SPRING OF THE HEADER DIRECTLY OPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.
- 12. THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
- THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.
- 14. CURRENT RATING : I AMP PER PIN 15. TEMPERATURE RANGE : -55°C TO +105°C
- 16. P/N 63741-X YY

- PIN POSITIONS - PLATING CODE

- FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW 'C'& 'F'CAN BE USED FOR POWER AS WELL AS FOR GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY I AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED 'C' AND 'F' ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS. THIS IS NOT TRUE FOR REAR PLUG-UP APPLICATIONS USING METRAL 2000 SHROUD AS IN THIS CASE ALL 'C' AND 'F'ROW PINS ARE COMMON TO GROUNG.
- 18. THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN
- FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 63741-XYYLF

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status:Released

Printed: Jun 28, 2007

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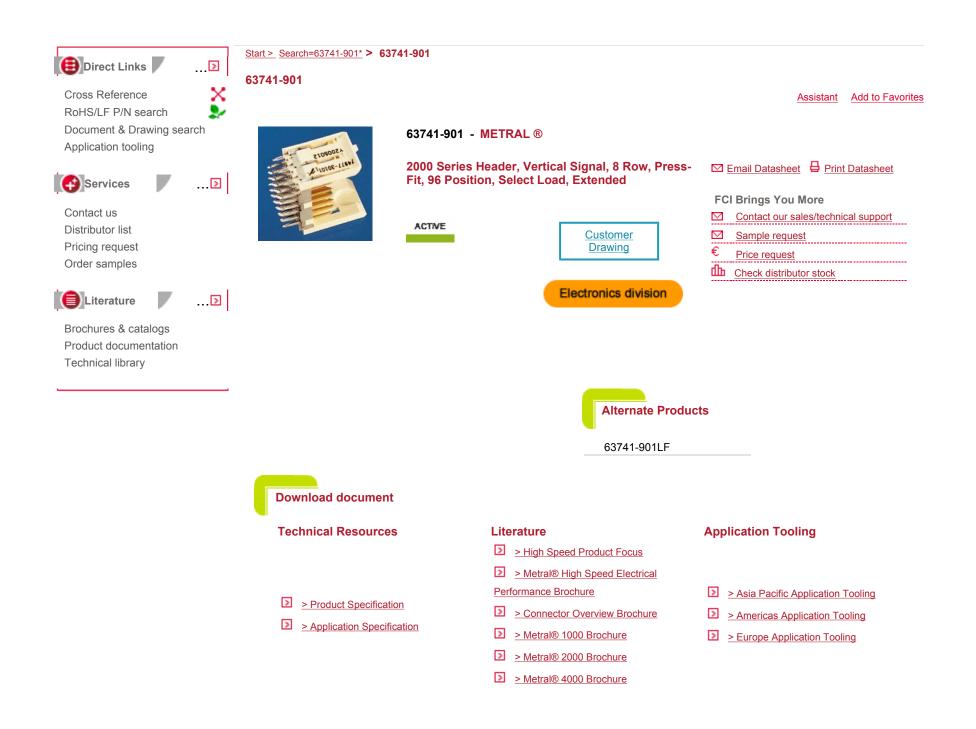
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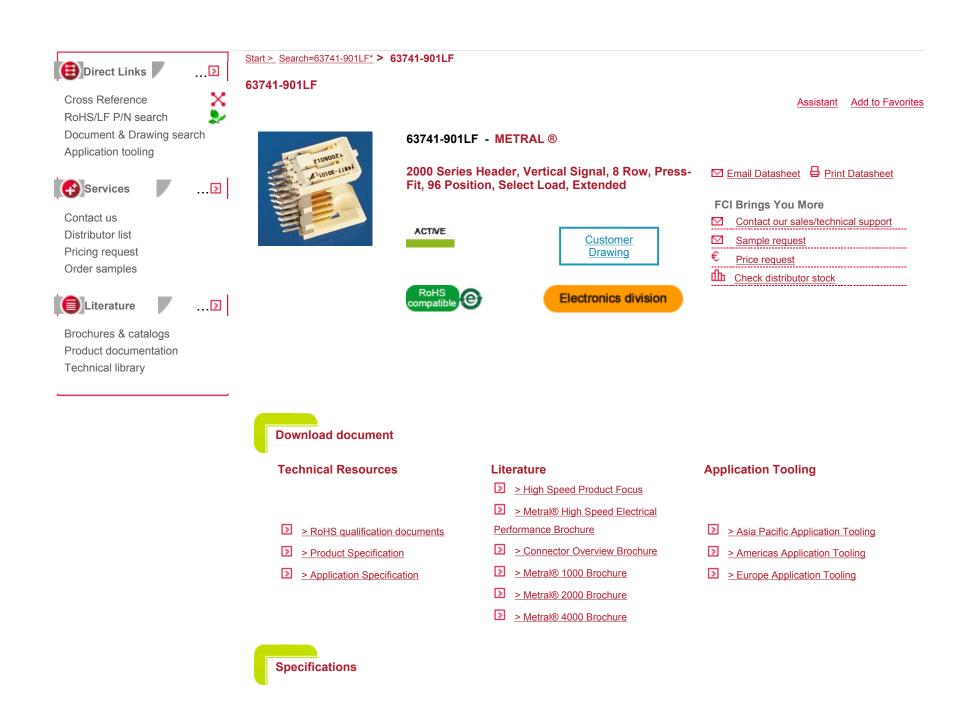
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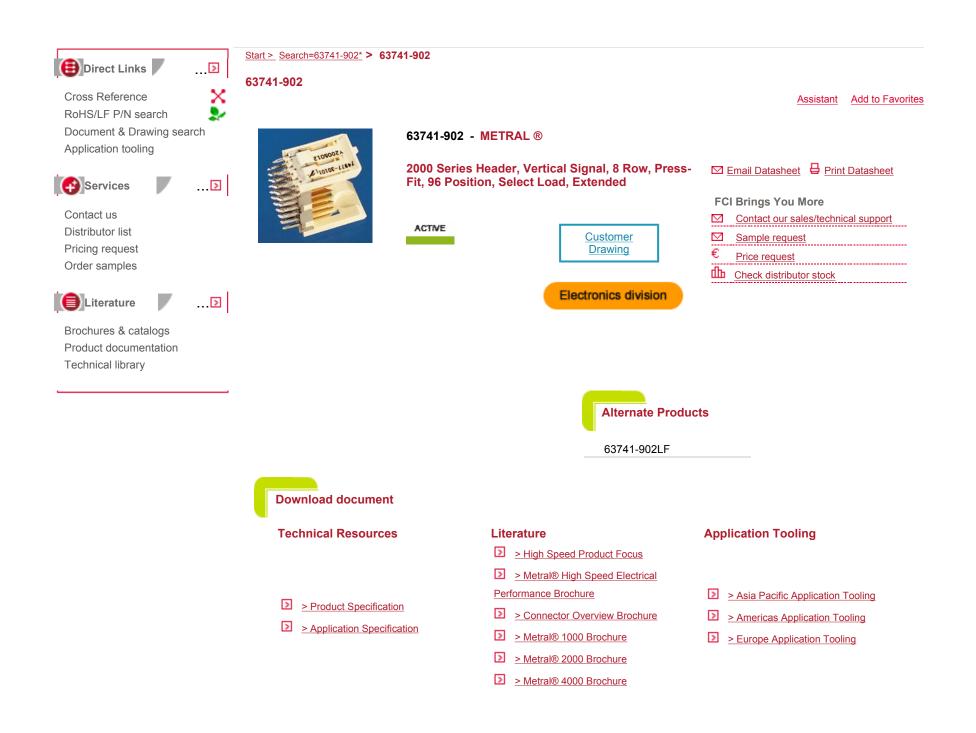




General Dimensional Mounting Phys	sical Other Features
General	
Contact type	Signal
Number of contacts (Total)	96
Number of ports (per row)	12
Number of rows	8
Orientation	Straight
Product Type	Header
Series	2000
Termination Style	Press-Fit
Application Equipment	5 Row 1000 and 2000 Series Vertical Header Insertion Tool 5 Row Series Vertical Header Removal Tool
<u>Dimensional</u>	'
Length (Tail)	Various (See Customer Drawing)
Thickness (Board)	Various (See Customer Drawing)
Mounting	
Termination	Board
<u>Physical</u>	
Color (Housing)	Natural
Material (Contact)	Copper Alloy
Material (Housing)	Glass - Filled LCP
Plating (Contact area)	Various (See Customer Drawing)
Plating (Tail)	Tin-Lead
Other Features	
Packaging (Type)	Tube

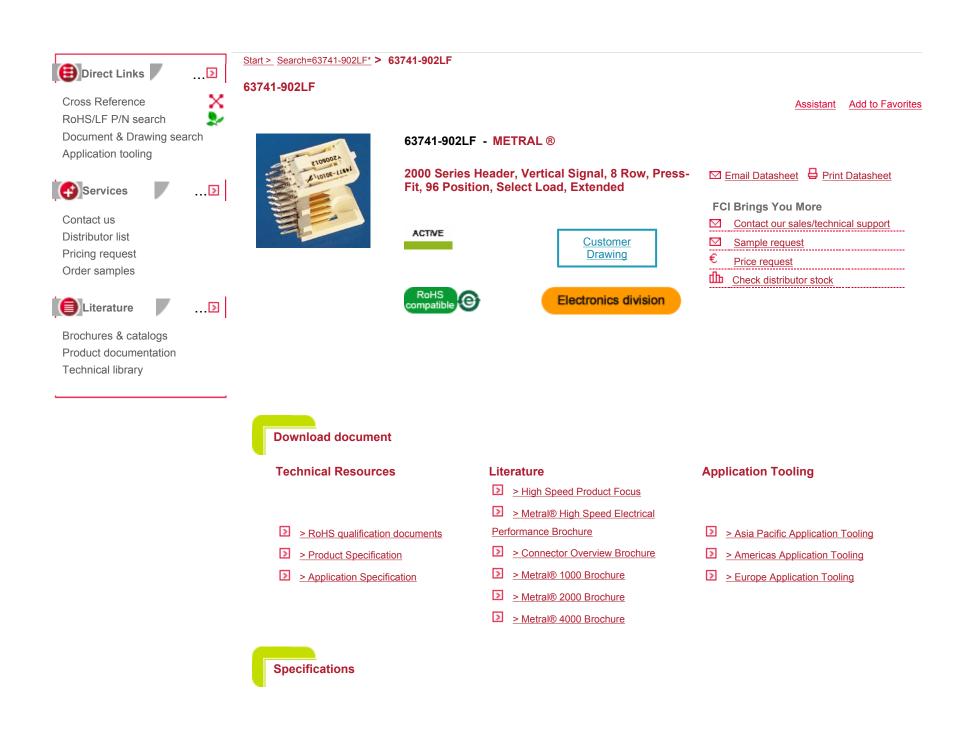


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General Dimensional Mounting Physical	Other Features
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Material (Contact)	Copper Alloy
Material (Housing)	Glass - Filled LCP
Plating (Contact area)	Various (See Customer Drawing)
Plating (Tail)	Tin
Other Features	
Packaging (Type)	Tube

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