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Part Number:

0741640126

Status:

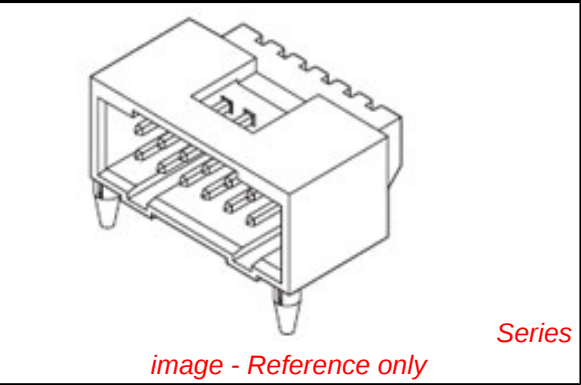
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch C-Grid® Receptacle, Right Angle, Through Hole, Dual Row, Shrouded with Pegs High-Temperature, 26 Circuits, Tin (Sn)



Documents:

3D Model

Drawing (PDF)

Product Specification PS-74164-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Overview

Product Name

PCB Receptacles

74164

Board-to-Board

cgrid_sl_products

C-Grid®

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Polarized to Mating Part

Polarized to PCB

Robotic Placement

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

26

26

Black

25

94V-0

No

No

None

Yes

Phosphor Bronze

Tin

Tin

High Performance Thermoplastic

2

Right Angle

Yes

None

Tube

0.100 In

2.54 mm

0.100 In

2.54 mm

No

No

None

No

No

-40°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Grounding to PCB

Voltage - Maximum

2.5A

No

250V

Solder Process Data

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

74164Series

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

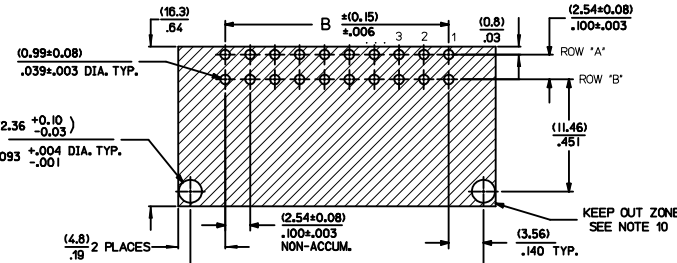
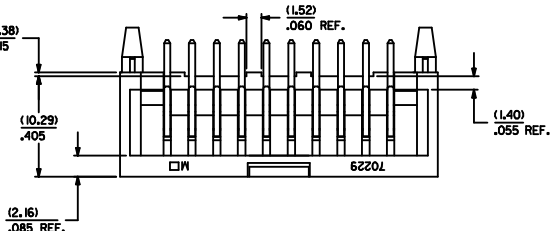
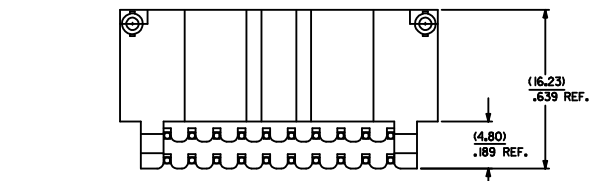
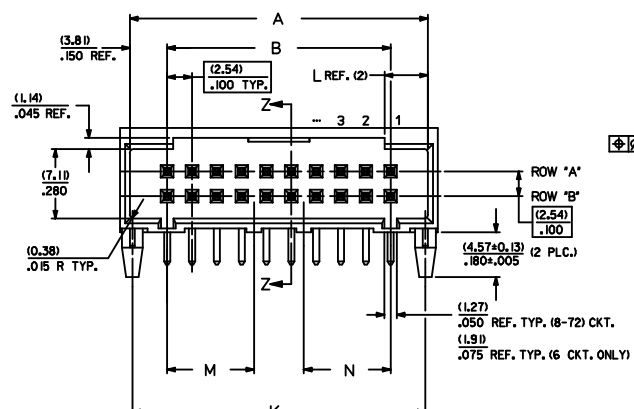
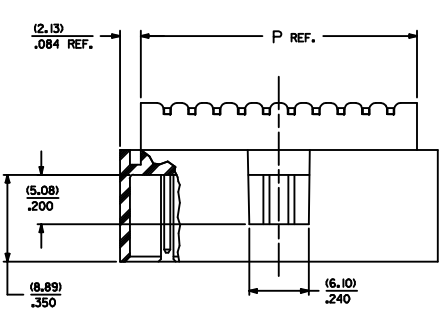
Material Info

Reference - Drawing Numbers

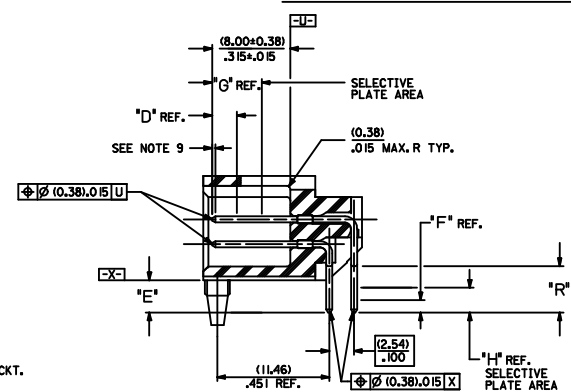
Packaging Specification	PK-70873-0019
Product Specification	PS-74164-001
Sales Drawing	SD-74164-001

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RECOMMENDED P.C. BOARD HOLE LAYOUT



SECTION Z-Z

- NOTES
1. MATERIAL: SHROUDED WAFER; GLASS FILLED, LIQUID CRYSTAL POLYMER, COLOR: BLACK; UL94V-0
PINS: PHOSPHOR BRONZE
 2. FINISH:
 - TIN - 3.81 MICROMETERS/150 MICROINCHES MINIMUM TIN PLATE OVER NICKEL UNDERPLATE OVERALL
 - 15 GOLD - 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL
 - 191 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL
 - 30 GOLD - 0.76 MICROMETERS/30 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL
 - 191 MICROMETERS/75 MICROINCHES MINIMUM TIN PLATE IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL
 - 50 GOLD - 1.27 MICROMETERS/50 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL
 3. PRODUCT SPECIFICATION: PS-74164-0001
 4. PACKAGING INFORMATION: SEE CHART
 5. 20 CIRCUIT SIZE SHOWN FOR ILLUSTRATION PURPOSES.
 6. PIN PUSHOUT FORCE: (17.79 N)/4 LBS.
 7. PINS MUST MEET SOLDERABILITY SPEC. MIL-STD-202 METHOD 208B.
 8. FOR CHARTED DIMENSIONS AND ASSEMBLY NO.S NOT SHOWN ON THIS SHEET - SEE SHEET 2.
 9. ROW TO ROW PIN HEIGHT VARIATION MUST NOT EXCEED (0.25)/.010 IN.
 10. NO FEATURES WHICH RISE ABOVE THE PCB SURFACE ALLOWED IN THIS AREA
 11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CKT.	DIM. "A"	DIM. "B"	DIM. "K"	DIM. "L"	DIM. "M"	DIM. "N"	DIM. "P"
06	(12.70) .500	(5.08) .200	(12.19) .480	(13.30) .512			(10.46) .412
08	(15.24) .600	(7.62) .300	(14.73) .580	(4.42) .174			(13.00) .512
10	(17.78) .700	(10.16) .400	(17.27) .680	(4.42) .174			(15.54) .612
12	(20.32) .800	(12.70) .500	(19.81) .780	(4.42) .174			(18.08) .712
14	(22.86) .900	(15.24) .600	(22.35) .880	(4.42) .174			(20.62) .812
16	(25.40) 1.000	(17.78) .700	(24.89) .980	(4.42) .174			(23.16) .912
18	(27.94) 1.100	(20.32) .800	(27.43) 1.080	(4.42) .174			(25.70) 1.012
20	(30.48) 1.200	(22.86) .900	(29.97) 1.180	(4.42) .174			(28.24) 1.112
22	(33.02) 1.300	(25.40) 1.000	(32.51) 1.280	(4.42) .174			(30.78) 1.212
24	(35.56) 1.400	(27.94) 1.100	(35.05) 1.380	(4.42) .174	(16.64) .655		(33.32) 1.312
26	(38.10) 1.500	(30.48) 1.200	(37.59) 1.480	(4.42) .174	(16.64) .655		(35.86) 1.412
28	(40.64) 1.600	(33.02) 1.300	(40.13) 1.580	(4.42) .174	(16.64) .655		(38.40) 1.512
30	(43.18) 1.700	(35.56) 1.400	(42.67) 1.680	(4.42) .174	(16.64) .655		(40.94) 1.612
32	(45.72) 1.800	(38.10) 1.500	(45.21) 1.780	(4.42) .174	(16.64) .655		(43.48) 1.712
34	(48.26) 1.900	(40.64) 1.600	(47.75) 1.880	(4.42) .174	(16.64) .655	(16.76) .660	(46.02) 1.812
36	(50.80) 2.000	(43.18) 1.700	(50.29) 1.980	(4.42) .174	(16.64) .655	(16.76) .660	(48.56) 1.912
38	(53.34) 2.100	(45.72) 1.800	(52.83) 2.080	(4.42) .174	(16.64) .655	(16.76) .660	(51.10) 2.012
40	(55.88) 2.200	(48.26) 1.900	(55.37) 2.180	(4.42) .174	(16.64) .655	(16.76) .660	(53.64) 2.112
42	(58.42) 2.300	(50.80) 2.000	(57.91) 2.280	(4.42) .174	(16.64) .655	(16.76) .660	(56.18) 2.212
44	(60.96) 2.400	(53.34) 2.100	(60.45) 2.380	(4.42) .174	(16.64) .655	(16.76) .660	(58.72) 2.312
46	(63.50) 2.500	(55.88) 2.200	(62.99) 2.480	(4.42) .174	(16.64) .655	(16.76) .660	(61.26) 2.412
48	(66.04) 2.600	(58.42) 2.300	(65.53) 2.580	(4.42) .174	(16.64) .655	(16.76) .660	(63.80) 2.512
50	(68.58) 2.700	(60.96) 2.400	(68.07) 2.680	(4.42) .174	(16.64) .655	(16.76) .660	(66.34) 2.612
52	(71.12) 2.800	(63.50) 2.500	(70.61) 2.780	(4.42) .174	(16.64) .655	(16.76) .660	(68.88) 2.712
54	(73.66) 2.900	(66.04) 2.600	(73.15) 2.880	(4.42) .174	(16.64) .655	(16.76) .660	(71.42) 2.812
56	(76.20) 3.000	(68.58) 2.700	(75.69) 2.980	(4.42) .174	(16.64) .655	(16.76) .660	(73.96) 2.912
58	(78.74) 3.100	(71.12) 2.800	(78.23) 3.080	(4.42) .174	(16.64) .655	(16.76) .660	(76.50) 3.012
60	(81.28) 3.200	(73.66) 2.900	(80.77) 3.180	(4.42) .174	(16.64) .655	(16.76) .660	(79.04) 3.112
62	(83.82) 3.300	(76.20) 3.000	(83.31) 3.280	(4.42) .174	(16.64) .655	(16.76) .660	(81.58) 3.212
64	(86.36) 3.400	(78.74) 3.100	(85.85) 3.380	(4.42) .174	(16.64) .655	(16.76) .660	(84.12) 3.312
66	(88.90) 3.500	(81.28) 3.200	(88.39) 3.480	(4.42) .174	(16.64) .655	(16.76) .660	(86.66) 3.412
68	(91.44) 3.600	(83.82) 3.300	(90.93) 3.580	(4.42) .174	(16.64) .655	(16.76) .660	(89.20) 3.512
70	(93.98) 3.700	(86.36) 3.400	(93.47) 3.680	(4.42) .174	(16.64) .655	(16.76) .660	(91.74) 3.612
72	(96.52) 3.800	(88.90) 3.500	(96.01) 3.780	(4.42) .174	(16.64) .655	(16.76) .660	(94.28) 3.712

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APPROVED BY: SMILLER

2009/03/30
2009/04/20
2009/04/21

DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .010
2 PLACES ± 0.25 ± .014
1 PLACE ± 0.36 ± ---
ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

SCALE
INCH

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

DRAWN BY
MIBARRA
2009/03/30

CHECKED BY
BBARKER
2009/03/30

APPROVED BY
SMILLER
2009/03/30

MATERIAL NO.
SD-74164-001

DOCUMENT NO.
SD-74164-001

SHEET NO.
1 OF 2

SALES ASSEMBLY
RIGHT ANGLE SHROUDED
W/PC BOARD STAB PEGS

MOLEX INCORPORATED

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