

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0900591007

Status:

Active

Overview:

cgrid_iii|cgrid_sl_products

Description:

2.54mm (.100") Pitch C-Grid® Micro Shunt, Low Profile, 200mm" Tin (Sn) Plating

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Accessories
Series	90059
Component Type	Shunt
Overview	cgrid_iii cgrid_sl_products
Product Name	C-Grid®, C-Grid III™, SL™
Physical	
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to Mating Part	Yes
Temperature Range - Operating	-65°C to +120°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	1.5A

Material Info

Reference - Drawing Numbers	
Sales Drawing	SDA-90059

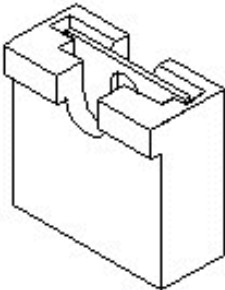


image - Reference only

Series

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

90059Series

Use With

(0.64)/.025 square and round pins

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PART NO.
SEE CHART
DWG. NO.
SDA-90059

F

E

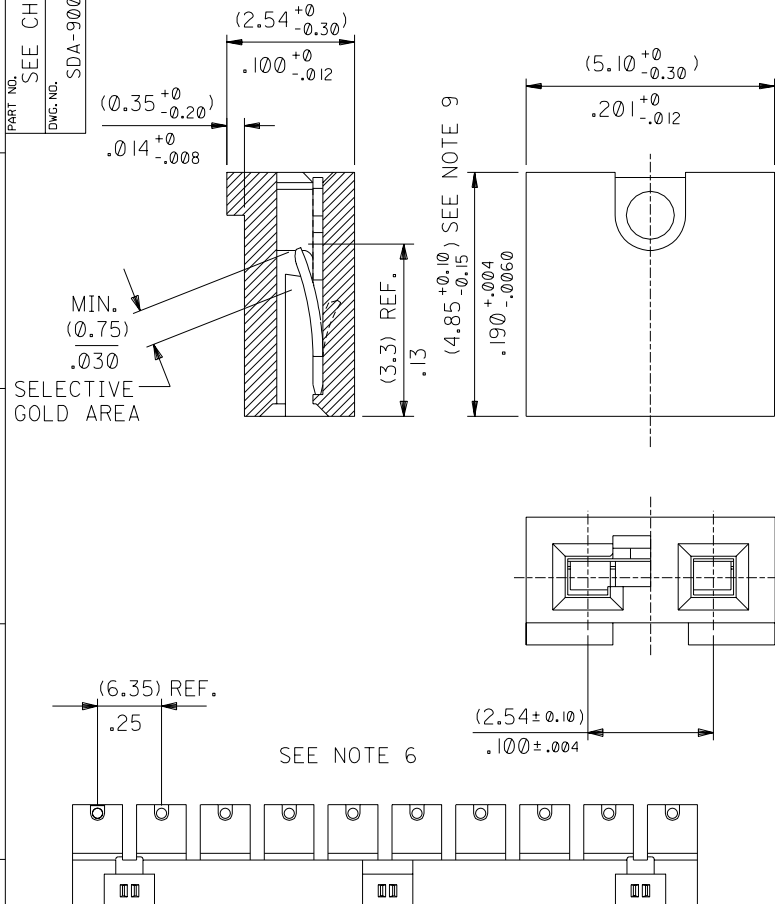
D

C

B

A

7132-1283



SEE NOTE 6

NOTES:

1. HOUSING MATERIAL: POLYESTER 30% GLASS FILLED.
2. TERMINAL MATERIAL: PHOSPHOR BRONZE.
3. THIS PART IS STACKABLE, END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTRES.
4. SHUNT WILL ACCEPT (0.64)/.025 SQUARE AND ROUND PINS.
5. MAX. PROBE DIA. (0.9)/.035.
6. PARTS SUPPLIED IN STRIPS OF TEN OR AS LOOSE PIECE (SEE CHART).
- ⑦ VERSIONS 90059-0007,90059-0009 PREFERRED IN EUROPE/AMERICA.
- ⑧ VERSIONS 90059-0013,90059-0014,90059-0015 PREFERRED IN FAR EAST.
- 9 DIMENSION APPLIES TO MOULDED HOUSING ONLY. BREAK-OFF (5.10)/.201 MAX.

SUPPLIED AS STRIP/LOOSE	PART No	TERMINAL PLATING	HSG. COLOUR	PACKAGING INNER QTY.	PACKAGING QTY.PER BOX
⑦ STRIP	90059-0007	TIN (5u)/.0002 MIN. OVER NI (1.27u)/.00005 MIN.	BLACK	1000 pcs	20,000 pcs
LOOSE	90059-1007	TIN (5u)/.0002 MIN. OVER NI (1.27u)/.00005 MIN.	BLACK	10,000 pcs	40,000 pcs
STRIP	90059-0009	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
LOOSE	90059-1009	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	10,000 pcs	40,000 pcs
STRIP	90059-0011	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLACK	1000 pcs	20,000 pcs
⑧ STRIP	90059-0012	GOLD (0.76u)/.000030 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
⑧ STRIP	90059-0013	0.76um OF NI UNDER 3 - 5 um OF TIN	BLACK	1000 pcs	20,000 pcs
⑧ STRIP	90059-0014	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	WHITE	1000 pcs	20,000 pcs
STRIP	90059-0015	GOLD (1.0u)/.00004 MIN IN CONTACT AREA OVER NICKEL (0.76u)/.00003 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
STRIP	90059-0016	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	RED	1000 pcs	20,000 pcs
LOOSE	90059-1011	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLACK	10,000 pcs	40,000 pcs
STRIP	90059-0017	TIN (5u)/.0002 MIN. OVER NI (1.27u)/.00005 MIN.	WHITE	1000 pcs	20,000 pcs
STRIP	90059-0018	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLUE	1000 pcs	20,000 pcs
STRIP	90059-0020	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	BLACK	1000 pcs	20,000 pcs
LOOSE	90059-1020	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	BLACK	10,000 pcs	40,000 pcs

CHANGE TIN/LEAD TO TIN.
UPDATE LOOSE PKT.QTY.
EC NO. E2004-0584
DRWN: M MCS 04/01/05
CHK: / / /
APPR: / / /

AR

REV

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.05	±.
1 PLACE	±0.10	±.
ANGULAR:	±	1°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
10:1

DESIGN UNITS
☒ mm ☐ INCH

THIRD ANGLE
PROJECTION

DRAWN BY & DATE
mcc 86/04/08

CHECKED BY & DATE
dbrennan 00/07/26

APPROVED BY & DATE
mwilhiite 00/07/26

CAD FILENAME

TITLE:
2.54mm C-Grid
Micro Shnt

MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DRAWING NO.
SDA-90059

SHEET NO.
1 of 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

SIZE
B

2 AR
1 AR

SHT
REV

REVISE ON
CAD ONLY