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Part Number:0918143116

Status:Active

Overview:cgrid_iii

Description:2.54mm (.100") Pitch C-Grid III™ Dual Row Right Angle Shrouded Header, 16 Circuits, Tin (Sn) over Nickel (Ni)

Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

91814

Wire-to-Board

cgrid_iii

C-Grid III™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

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

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

16

16

Black

30

No

No

No

No

None

None

Brass

Tin

Tin

High Temperature Thermoplastic

2

Right Angle

0.083 In

2.10 mm

No

None

0.063 In

1.60 mm

Tray

0.100 In

2.54 mm

0.100 In

2.54 mm

120

3

120

3

Yes

No

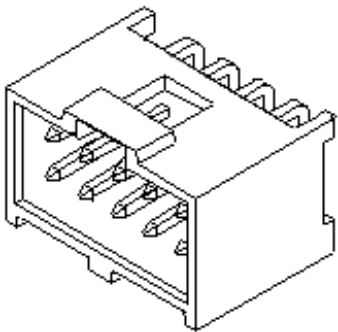
Closed Ends

Yes

No

-55°C to +125°C

Through Hole



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

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

91814Series

Mates With

90142 C-Grid III™ Crimp Housing. 90119 C-Grid III™ Crimp Terminal

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	350V AC/DC

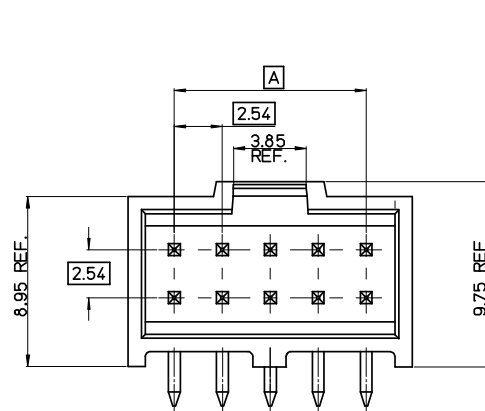
Material Info

Reference - Drawing Numbers

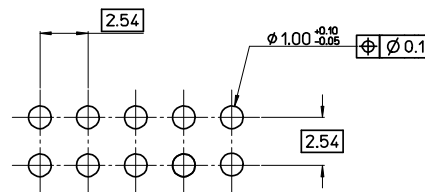
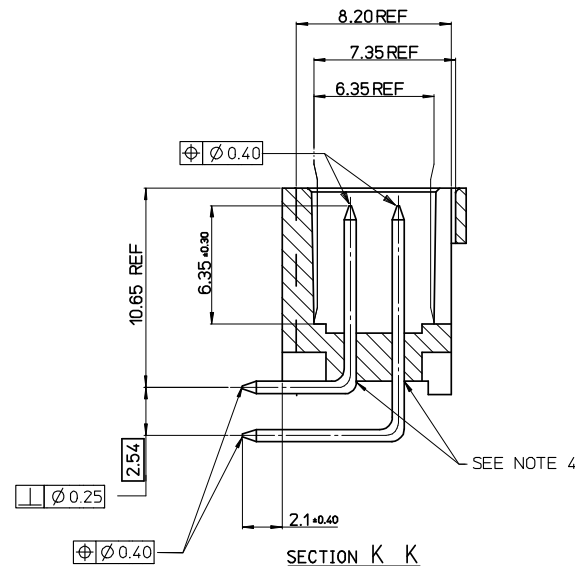
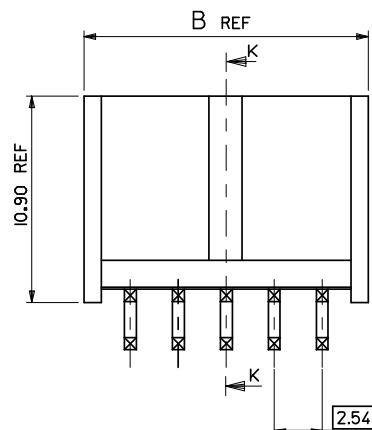
Packaging Specification	PK-91814-005
Product Specification	PS-99020-0001
Sales Drawing	SD-91814-001

This document was generated on 05/26/2010

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VERSION FULLY LOADED



RECOMENDEC P.C. BOARD
HOLE PATTERN

HSG CKT SIZE	PART NUMBER	DIM A	DIM B
6	91814-3106	5.08	9.96
8	91814-3108	7.62	12.50
10	91814-3110	10.16	15.04
12	91814-3112	12.70	17.58
14	91814-3114	15.24	20.12
16	91814-3116	17.78	22.66
18	91814-3118	20.32	25.20
20	91814-3120	22.86	27.74
22	91814-3122	25.40	30.28
24	91814-3124	27.94	32.82
26	91814-3126	30.48	35.36
28	91814-3128	33.02	37.90
30	91814-3130	35.56	40.44
32	91814-3132	38.10	42.98
34	91814-3134	40.64	45.52
36	91814-3136	43.18	48.06
38	91814-3138	45.72	50.60
40	91814-3140	48.26	53.14
42	91814-3142	50.80	55.68
44	91814-3144	53.34	58.22
46	91814-3146	55.88	60.76
48	91814-3148	58.42	63.30
50	91814-3150	60.96	65.84

NOTES:

- MATERIAL:
PIN: 0.647 REF SQ. BRASS WIRE.
HOUSING: (PCT) 30% GLASS FILLED POLYESTER UL 94 V-0
COLOUR: BLACK
- PLATING:
TIN 3.04µm MIN. OVER NICKEL.
- PIN RETENTION FORCE 20N MIN. IN BOTH DIRECTIONS.
- HOUSING FLASH PERMISSIBLE IN THIS AREA.
- PRODUCT SPECIFICATION: PS-99020-0001
- PCB THICKNESS 1.6MM

MODIFIED PIN DIM ADDED REF. DIMS EC NO: E2008-0144 DRWN:BYRNES 2008/04/10 CHKD: DWALLACE 2008/04/11 APPR: JWALLACE 2008/04/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE			
			4 PLACES	± ---	± ---	DWASZKIEWICZ	2006/06/15	C-GRID III DUAL ROW			
			3 PLACES	± ---	± ---	CHECKED BY	DATE	R/A PIN SHROUDED			
			2 PLACES	± 0.15	± ---	J DENNEHY	2006/09/29	HEADER ROHS COMPATIBLE			
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
			ANGULAR ± .5 °			J DENNEHY	2006/09/29				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
						SEE CHART		SD-91814-001			1 OF 1
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