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Part Number:

0918160010

Status:

Active

Description:

C-Grid Vertical Header Assembly, Dual Row, 10 Circuits

Documents:

- 3D Model

Product Specification PS-91816-001 (PDF)
- Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	91816
Application	Board-to-Board
Product Name	C-Grid®

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Glow-Wire Compliant	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.129 In
PC Tail Length (mm)	3.28 mm
PCB Locator	No
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	75.2
Plating min: Termination (µm)	1.88
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +120°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-91816-001
Sales Drawing	SD-91816-001

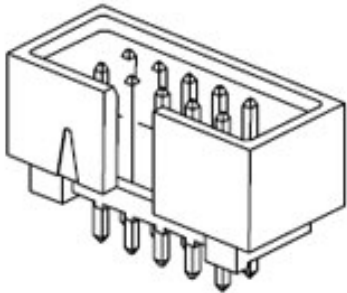


image - Reference only

Series

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

China RoHS



Need more information on product
environmental compliance?

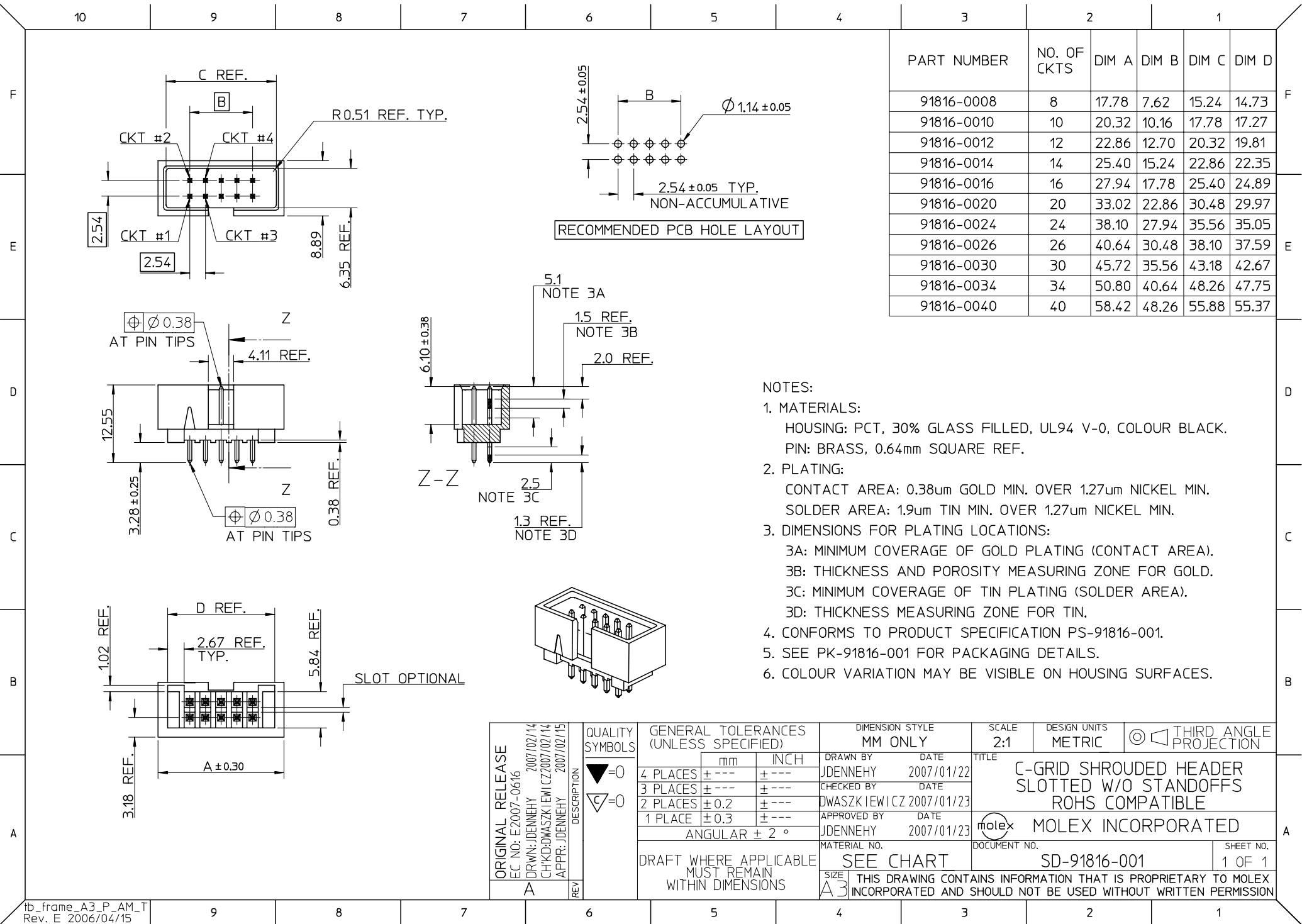
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

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

Search Parts in this Series
91816Series

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PART NUMBER	NO. OF CKTS	DIM A	DIM B	DIM C	DIM D
91816-0008	8	17.78	7.62	15.24	14.73
91816-0010	10	20.32	10.16	17.78	17.27
91816-0012	12	22.86	12.70	20.32	19.81
91816-0014	14	25.40	15.24	22.86	22.35
91816-0016	16	27.94	17.78	25.40	24.89
91816-0020	20	33.02	22.86	30.48	29.97
91816-0024	24	38.10	27.94	35.56	35.05
91816-0026	26	40.64	30.48	38.10	37.59
91816-0030	30	45.72	35.56	43.18	42.67
91816-0034	34	50.80	40.64	48.26	47.75
91816-0040	40	58.42	48.26	55.88	55.37

ORIGINAL RELEASE EC NO: E2007-0616 DRWN: JDENNEHY 2007/02/14 CHKD: DWASZKIEWICZ 2007/02/14 APPR: JDENNEHY 2007/02/15 A	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION								
				mm	INCH	DRAWN BY JDENNEHY	DATE 2007/01/22	TITLE C-GRID SHROUDED HEADER SLOTTED W/O STANDOFFS ROHS COMPATIBLE									
			4 PLACES	± ---	± ---	CHECKED BY	DATE										
			3 PLACES	± ---	± ---	DWASZKIEWICZ	2007/01/23										
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE	MOLEX INCORPORATED									
			1 PLACE	± 0.3	± ---	JDENNEHY	2007/01/23										
			ANGULAR ± 2 °			MATERIAL NO.		DOCUMENT NO.	SD-91816-001								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SHEET NO. 1 OF 1									
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										