

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0366380009

Status:

Active

Overview:

cmc_connectors

Description:

2.50mm (.098"), 3.50mm (.138") CMC Header, Right Angle, 48 Position, 36 loaded, 1 Port, Brown, Lead-free

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

General

Product Family

PCB Headers

Series

36638

Application

Wire-to-Board

Overview

cmc_connectors

Product Name

CMC

Physical

Breakaway

No

Circuits (Loaded)

36

Circuits (maximum)

48

Circuits Detail

6 x 1.5mm & 30 x 0.635mm terminals

Color - Resin

Black

Durability (mating cycles max)

20

First Mate / Last Break

Yes

Glow-Wire Compliant

No

Guide to Mating Part

Yes

Keying to Mating Part

Yes

Lock to Mating Part

Yes

Mated Height (in)

0.264 In

Mated Height (mm)

6.70 mm

Material - Metal

Brass

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

4

Orientation

Right Angle

PC Tail Length (in)

0.114 In

PC Tail Length (mm)

2.90 mm

PCB Locator

No

PCB Retention

None

PCB Thickness Recommended (in)

0.079 In

PCB Thickness Recommended (mm)

2.00 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.098 In, 0.138 In, 0.146 In

Pitch - Mating Interface (mm)

2.50 mm, 3.50 mm, 3.70 mm

Pitch - Term. Interface (in)

0.098 In, 0.138 In, 0.146 In

Pitch - Term. Interface (mm)

2.50 mm, 3.50 mm, 3.70 mm

Plating min: Mating (µin)

160

Plating min: Mating (µm)

4

Plating min: Termination (µin)

160

Plating min: Termination (µm)

4

Polarized to Mating Part

Yes

Polarized to PCB

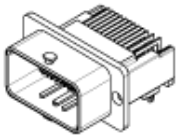
Yes

Shrouded

Closed Ends

Stackable

No



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

36638Series

Mates With

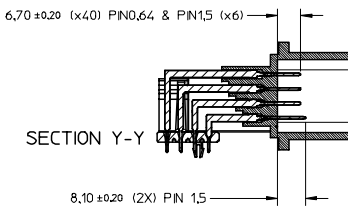
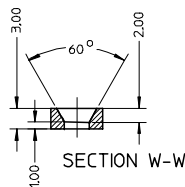
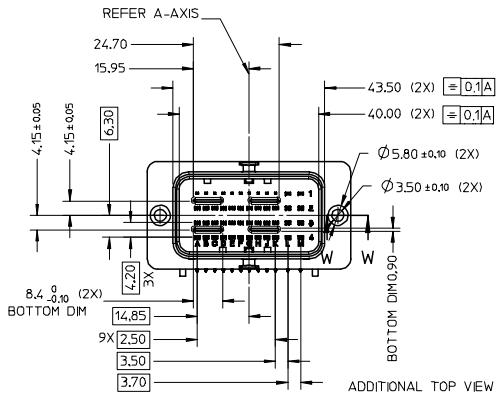
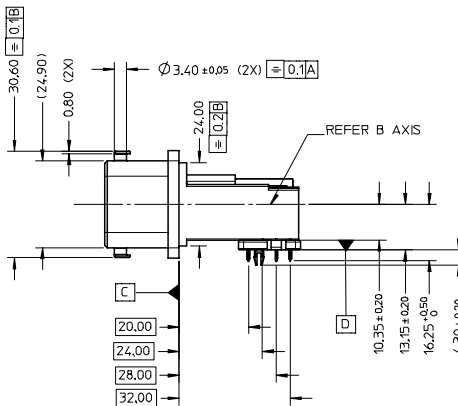
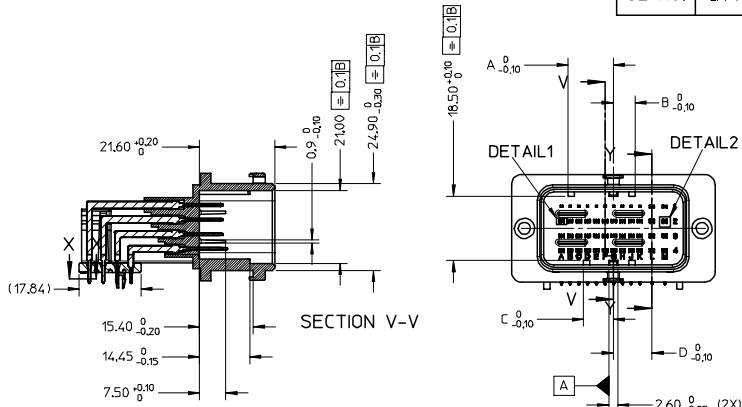
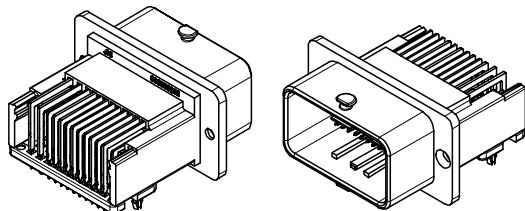
CMC Connectors [643201319](#) , [643203319](#) ,

Use With

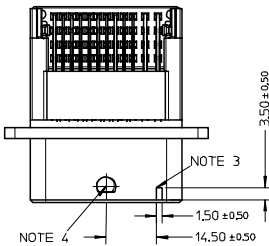
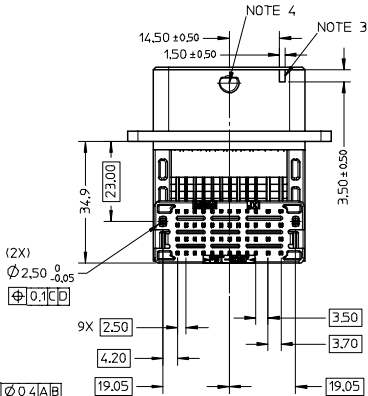
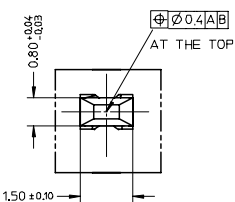
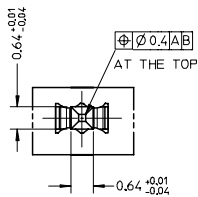
CMC Connectors [643201319](#) , [643203319](#) , [643202319](#) , [643204319](#). CMC CP Terminals Terminals [64322](#) , [64323](#). CMC Blind Plug for CP Terminal [64325](#). Wire Cap [643191201](#)

RoHS COMPLIANT

4	1	GRID PLATE	PBT 30% GLASS FILLED	BLACK
3	1	HOUSING		BLACK
2	2	1.5	CuZn30	NICKEL UNDERCOAT: 1.3µM TO 2.2µM
1	10	0.64	CuZn30	MATTE TIN OVERCOAT: 4µM TO 5µM
SL NO.	QTY	DESIGNATION	MATERIAL	FINISH

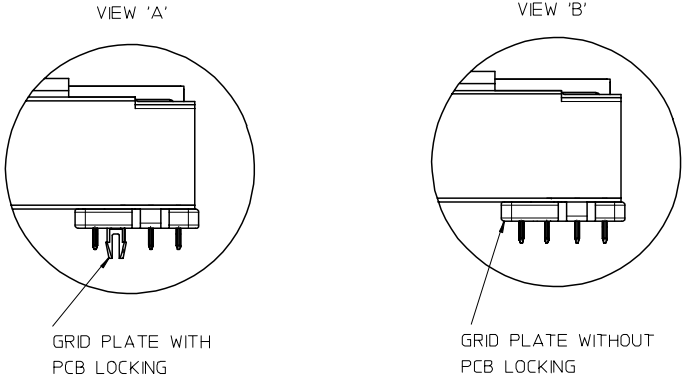
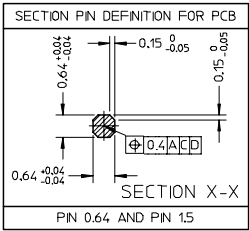
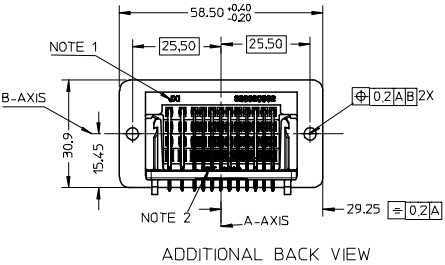
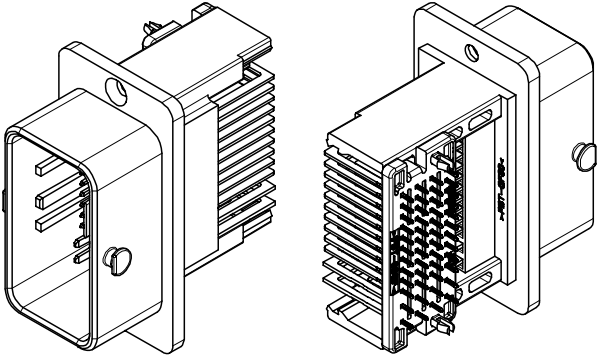


D	6.30	12.90
C	8.50	12.90
B	6.30	10.70
A	12.90	8.50
DIMENSION	366380002	366380003
	366380004	366380005
	366380006	366380007
	366380008 (BLACK)	366380009 (BROWN)
	MOLEX PN	



ENTER DESCRIPTION EC NO: 12008-0132 DRAWING APPA01 2007/09/20 CHKD:KPRASAO 2007/09/21 APPR:KPRASAO 2007/09/21	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY ROOPESH	DATE 08/05/2006	TITLE CMC HEADER 48/48WAY AND 48/36WAY T3 INTERFACE			
		4 PLACES	± ---	± ---	CHECKED BY DINESH	DATE 08/05/2006	MOLEX MOLEX INCORPORATED			
		3 PLACES	± ---	± ---	APPROVED BY DINESH	DATE 08/05/2006				
		2 PLACES	± 0.1	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
1 PLACE	± 0.2	± ---	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 'A'		SD-36638-002		1 OF 3		

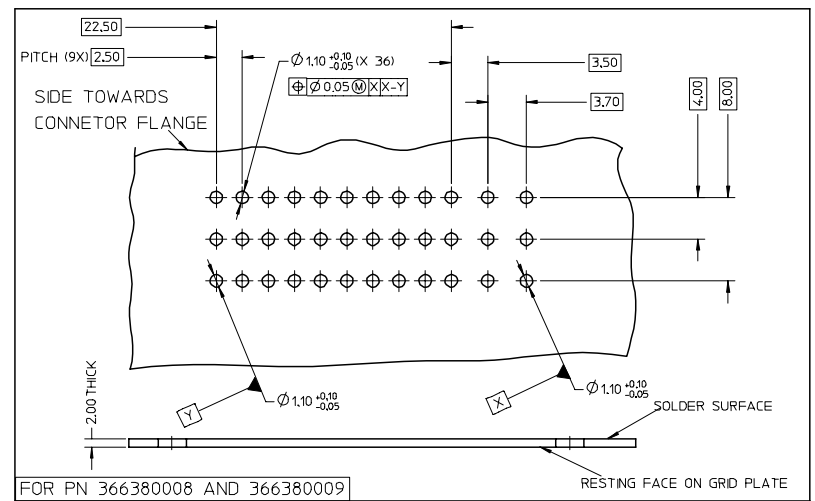
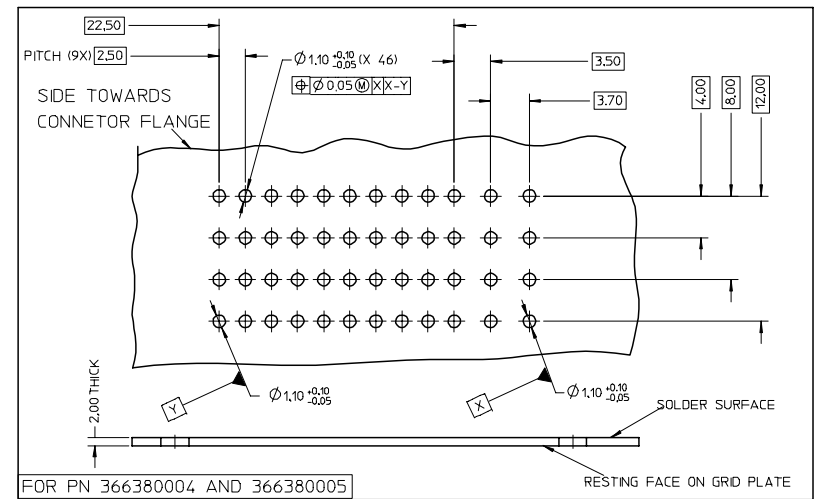
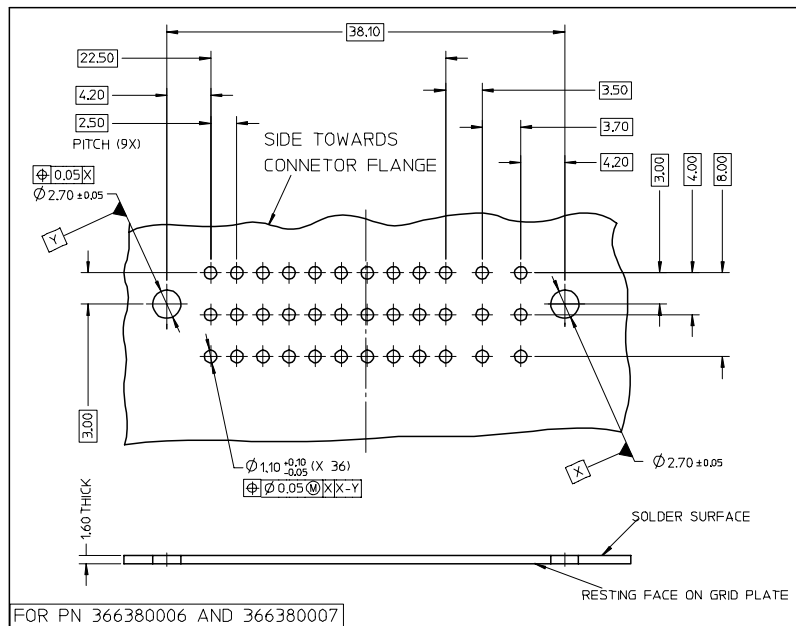
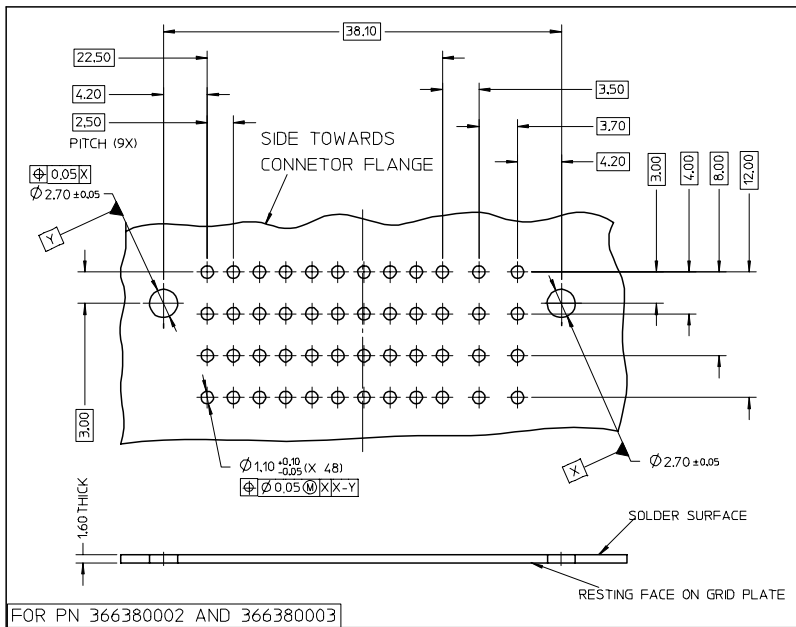
ASSY CMC HEADER	ASSY CMC 48 WAY 48 CKT	366380002	BLACK	AVAILABLE (SEE VIEW 'A')	1.6	1.5	L1 & M1,L2 & M2 L3 & M3,L4 & M4
		366380003	BROWN				A1 TO H1,J1 AND K1 A2 TO H2,J2 AND K2 A3 TO H3,J3 AND K3 A4 TO H4,J4 AND K4
		366380004	BLACK	NOT AVAILABLE (SEE VIEW 'B')	0.8/1.6/2.0	0.64	
		366380005	BROWN				
	ASSY CMC 48 WAY 36 CKT	366380006	BLACK	AVAILABLE (SEE VIEW 'A')	1.6	1.5	L2 & M2 L3 & M3,L4 & M4
		366380007	BROWN				A2 TO H2,J2 AND K2 A3 TO H3,J3 AND K3 A4 TO H4,J4 AND K4
		366380008	BLACK	NOT AVAILABLE (SEE VIEW 'B')	0.8/1.6/2.0	0.64	
		366380009	BROWN				
	DESIGNATION	MOLEX PN	CODING COLOUR	PCB LOCKING ON GRID PLATE	FOR PCB OF THICKNESS	PIN	CAVITIES NUMBER



- NOTES :
- 1. AREA FOR JXI AND MOLEX PART NUMBER REPRESENTATION
 - 2. AREA FOR PLASTIC MATERIAL >PBT-30%GF< DESCRIPTION
 - 3. PAINT WITH WHITE COLOR(RoHS COMPLIANT) AT SPECIFIED TWO AREAS
 - 4. PAINT WITH BROWN COLOR(RoHS COMPLIANT) AT SPECIFIED AREA ON BOTH SIDE FOR PN: 366380003,366380005, 366380007,366380009.
 - 5. PART TO MEET SOLDERABILITY SPEC SMES-152
 - 6. PACKAGING SPECIFICATION PK-36638-002

ENTER DESCRIPTION EC NO: 12008-0132 DRAWN: RANGAPPAU1 2007/09/20 CHKD: KPRASAD 2007/09/21 APPR: KPRASAD 2007/09/21	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 1 °	DRAWN BY: ROOPESH CHECKED BY: DINESH APPROVED BY: DINESH DATE: 08/05/2006 DATE: 08/05/2006 DATE: 08/05/2006	DIMENSION STYLE: FIRST ANGLE 7. PCB TERMINAL HOLE SIZE: 1.15 DIA METRIC TITLE: CMC HEADER 48/36 WAY AND 48/36 WAY T3 INTERFACE MATERIAL NO.: MOLEX INCORPORATED DOCUMENT NO.: SD-36638-002	SHEET NO. 2 OF 3

INTERFACE PCB DEFINITION (SOLDER SIDE)



ENTER DESCRIPTION EC NO: 12008-0132 DRAWN BY: CHIKKAPRASAD CHECKED BY: APPR: KPRASAD DATE: 2007/09/20 DATE: 2007/09/21 DATE: 2007/09/21	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±0.1</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±0.2</td><td>±---</td></tr><tr><td colspan="3">ANGULAR ± 1 °</td></tr></table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.1	±---	1 PLACE	±0.2	±---	ANGULAR ± 1 °			DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS PITCH (9X) METRIC	THIRD ANGLE PROJECTION
				mm	INCH																			
			4 PLACES	±---	±---																			
			3 PLACES	±---	±---																			
			2 PLACES	±0.1	±---																			
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE 'A'	DOCUMENT NO. SD-36638-002	SHEET NO. 3 OF 3																				
REV		SIZE A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						