

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0366380008

Status:

Active

Overview:

cmc_connectors

Description:

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

Documents:

3D Model

Drawing (PDF)

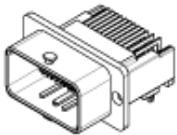
RoHS Certificate of Compliance (PDF)

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 [643201311](#) , [643203311](#) ,

Use With
CMC Connectors [643201311](#) , [643203311](#) , [643202311](#) , [643204311](#). CMC CP Terminals Terminals [64322](#) , [64323](#). CMC Blind Plug for CP Terminal [64325](#). Wire Cap [643191201](#)

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +100°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	8A
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers

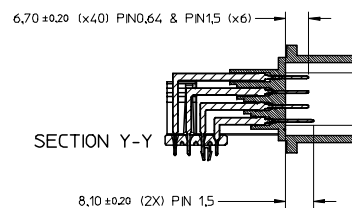
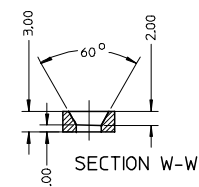
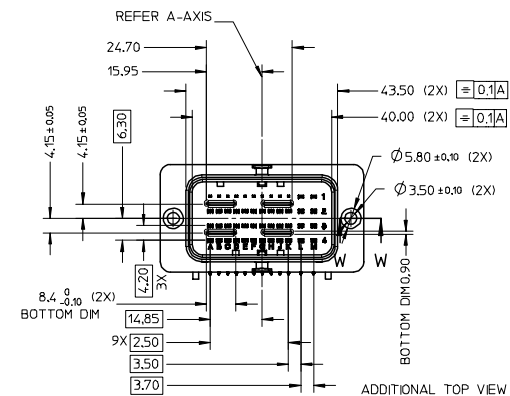
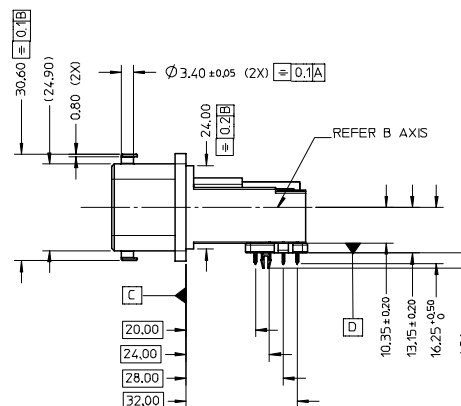
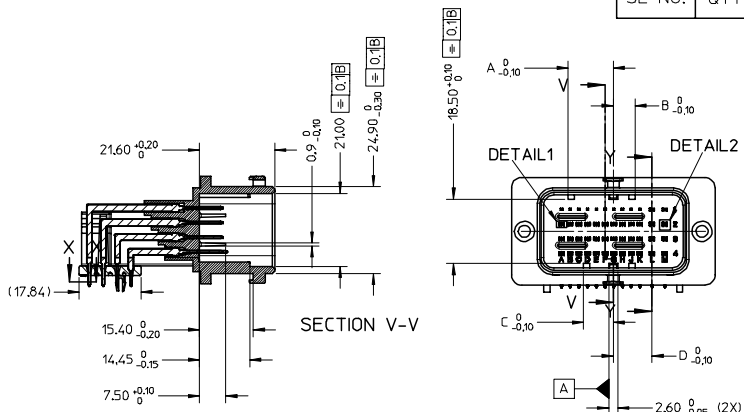
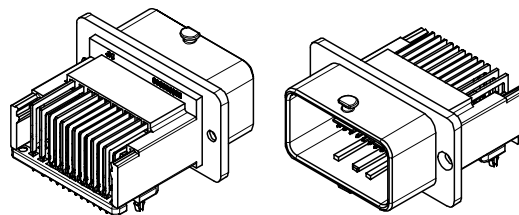
Packaging Specification	PK-36638-001, PK-36638-002
Sales Drawing	SD-36638-002

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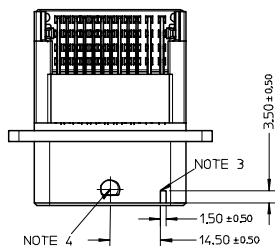
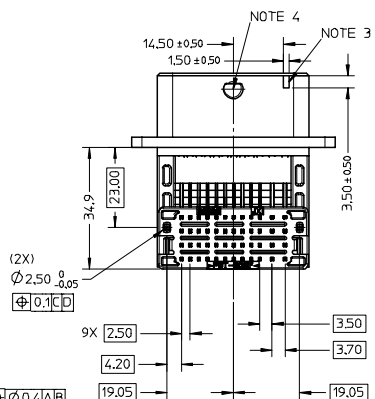
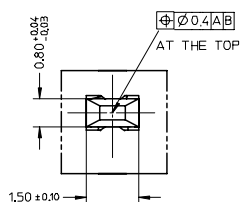
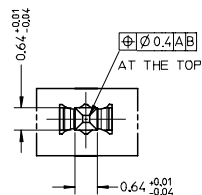
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RoHS COMPLIANT

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

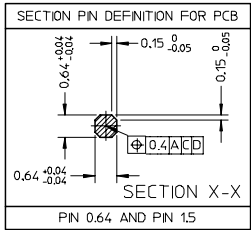
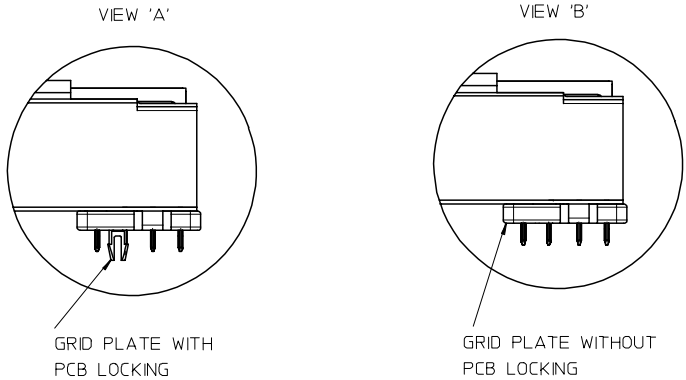
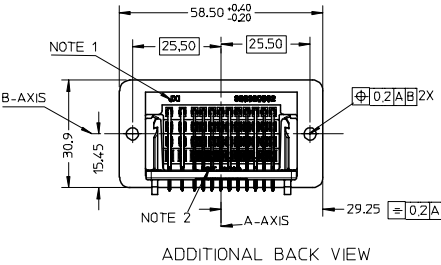
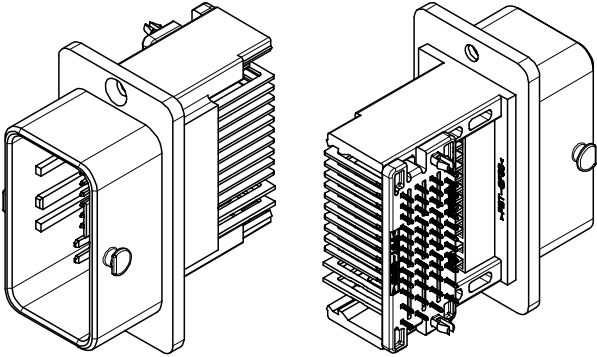


D	6.30	12.90
C	8.50	12.90
B	6.30	10.70
A	12.90	8.50
DIMENSION	366380002	366380003
	366380004	366380005
	366380006	366380007
	366380008	366380009
	(BLACK)	(BROWN)
MOLEX PN		



ENTER DESCRIPTION EC NO: I2008-0132 8			DRAWNR:RANGAPPA1 2007/09/20 CHKD:KPRASAD 2007/09/21 APPR:KPRASAD 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 DATE ROOPESH 08/05/2006		TITLE CMC HEADER 48/48WAY AND 48/36WAY T3 INTERFACE			
						3 PLACES ±--- ±---		CHECKED BY DATE DINESH 08/05/2006		MOLEX MOLEX INCORPORATED			
						2 PLACES ±0.1 ±---		APPROVED BY DATE DINESH 08/05/2006		MATERIAL NO. DOCUMENT NO. SHEET NO.			
						1 PLACE ±0.2 ±---				SD-36638-002 1 OF 3			
					ANGULAR ± 1 °								
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 'A'						
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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



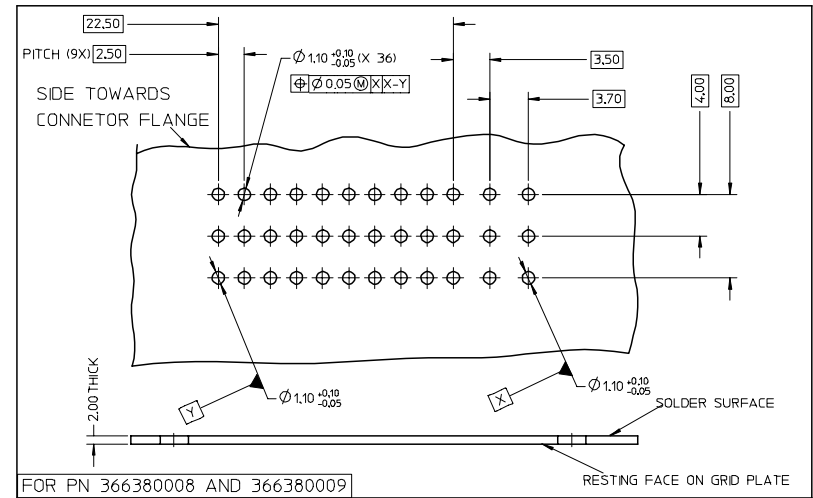
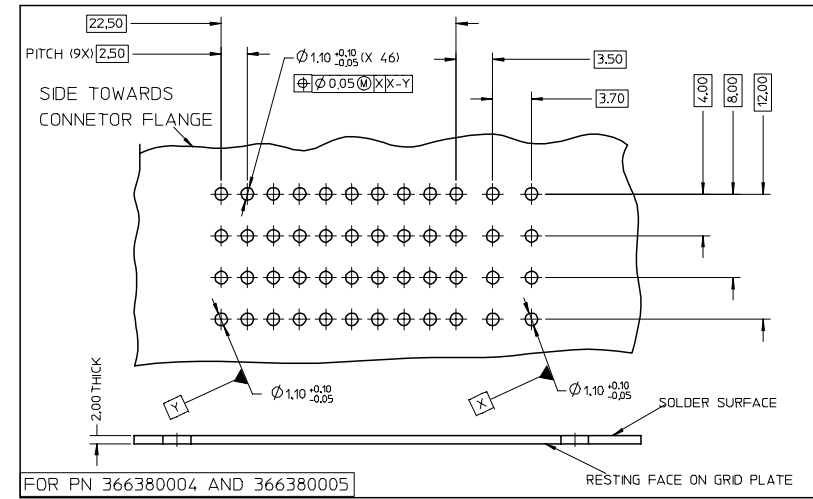
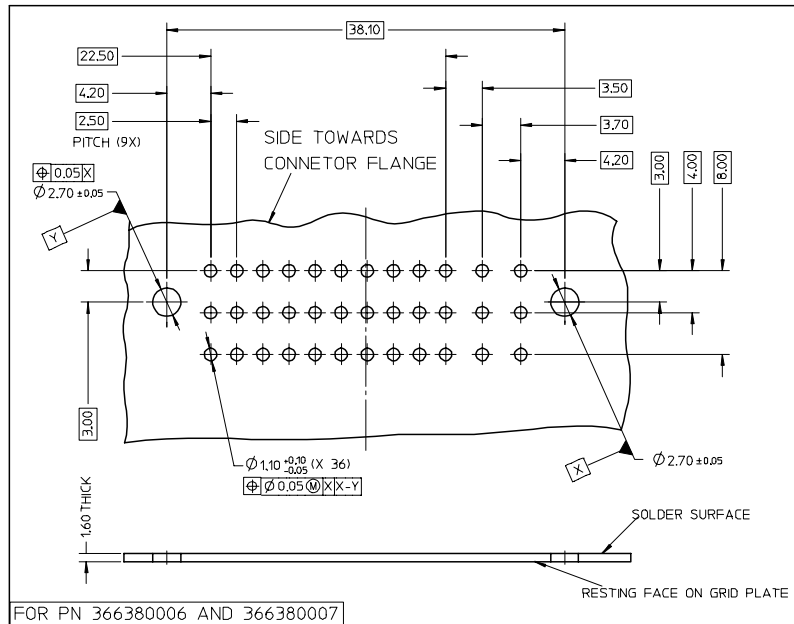
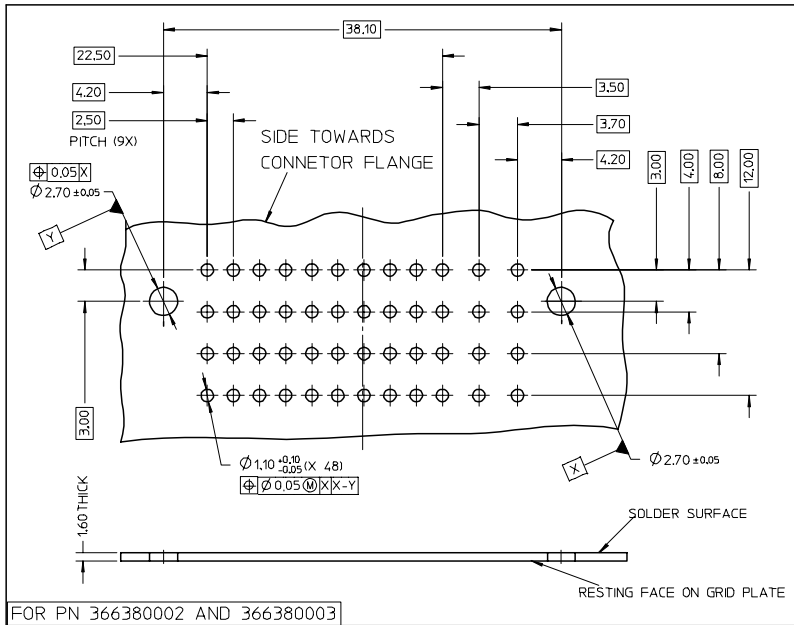
- NOTES :
- 1. AREA FOR JXI AND MOLEX PART NUMBER REPRESENTATION
 - 2. AREA FOR PLASTIC MATERIAL >PBT-30%GF< DESCRIPTION
 - 3. PAINT WITH WHITE COLOR(RoHS COMPLIANT) AT SPECIFIED TWO AREAS
 - 4. PAINT WITH BROWN COLOR(RoHS COMPLIANT) AT SPECIFIED AREA ON BOTH SIDE FOR PN: 366380003,366380005, 366380007,366380009.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

ENTER DESCRIPTION EC NO: 12008-0132 DRAWN: RANGAPPAO1 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 DATE: 08/05/2006 CHECKED BY: DINESH DATE: 08/05/2006 APPROVED BY: DINESH DATE: 08/05/2006 MATERIAL NO. SIZE: A2	DIMENSION STYLE: FIRST ANGLE 7. PCB TERMINAL HOLE SIZE: 1.15 DIA METRIC TITLE: CMC HEADER 48 WAY AND 48/36 WAY T3 INTERFACE MOLEX INCORPORATED SD-36638-002	SHEET NO. 2 OF 3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

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	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE CMC HEADER 48/48WAY AND 48/36WAY T3 INTERFACE MOLEX INCORPORATED		
					mm	INCH	DRAWN BY ROOPESH	DATE 08/05/2006	MATERIAL NO. SD-36638-002			DOCUMENT NO.	SHEET NO. 3 OF 3
				4 PLACES	± ---	± ---	CHECKED BY DINESH	DATE 08/05/2006					
				3 PLACES	± ---	± ---	APPROVED BY DINESH	DATE 08/05/2006					
				2 PLACES	± 0.1	± ---							
				1 PLACE	± 0.2	± ---							
				ANGULAR ± 1 °									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 'A'							
				SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							