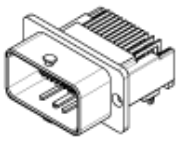
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0366380006
Status: Active
Overview: cmc_connectors
Description: 2.50mm (.098"), 3.50mm (.138") CMC Header, Right Angle, 48 Position, 36 loaded, 1 Port, Black, Peg, Lead-free

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

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	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 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

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
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

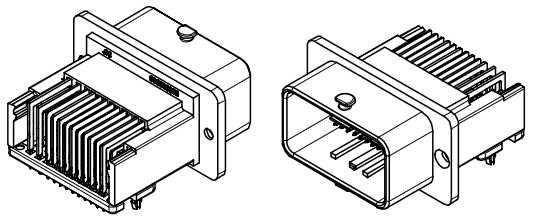
Packaging Specification	PK-36638-001, PK-36638-002
Sales Drawing	SD-36638-002

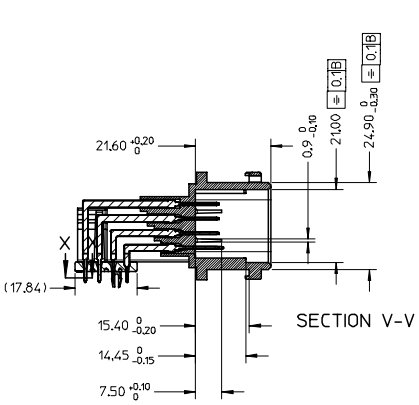
This document was generated on 05/24/2010

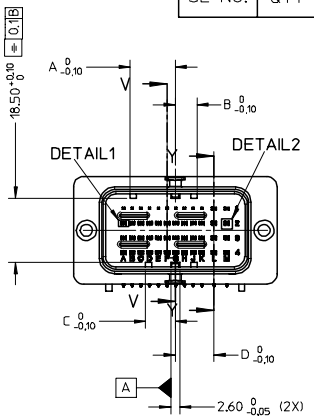
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

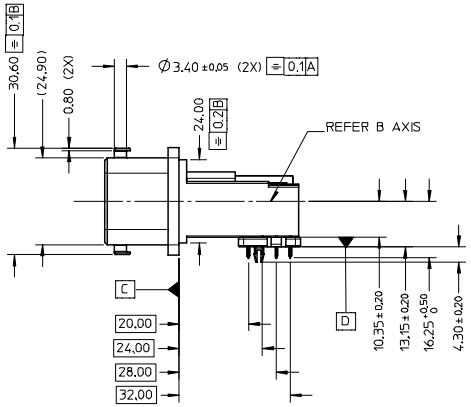
SL NO.	QTY	DESIGNATION	MATERIAL	FINISH
4	1	GRID PLATE	PBT 30% GLASS FILLED	BLACK
3	1	HOUSING		BLACK
2	2	1.5	CuZn30	NICKEL UNDERCOAT: 1.3µM TO 2.2µM MATTE TIN OVERCOAT: 4µM TO 5µM
1	10	0.64	CuZn30	

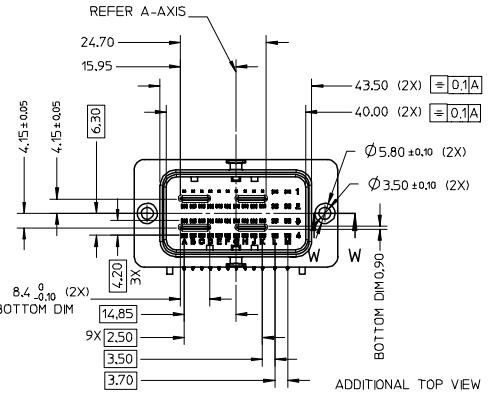
RoHS COMPLIANT

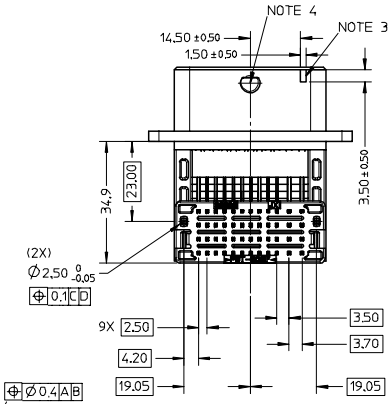


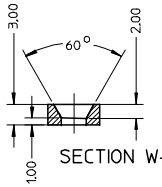


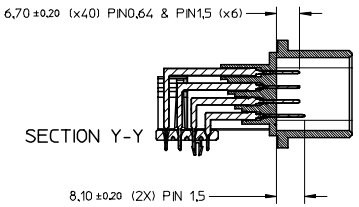


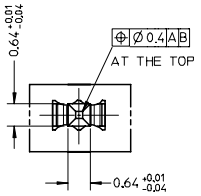


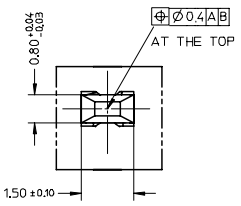


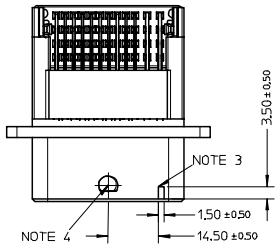












D	6.30	12.90
C	8.50	12.90
B	6.30	10.70
A	12.90	8.50
DIMENSION	366380002	366380003
	366380004	366380005
	366380006	366380007
	366380008	366380009
	(BLACK)	(BROWN)
	MOLEX PN	

ENTER DESCRIPTION
EC NO: I2008-0132 2007/09/20
DRWN:RRANGAPPA01 2007/09/21
CHKD:KPRASAD 2007/09/21
APPR:KPRASAD 2007/09/21
DESCRIPTION
REV
8

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: ROOPESH DATE: 08/05/2006
CHECKED BY: DINESH DATE: 08/05/2006
APPROVED BY: DINESH DATE: 08/05/2006

TITLE: CMC HEADER 48/48WAY AND 48/36WAY T3 INTERFACE

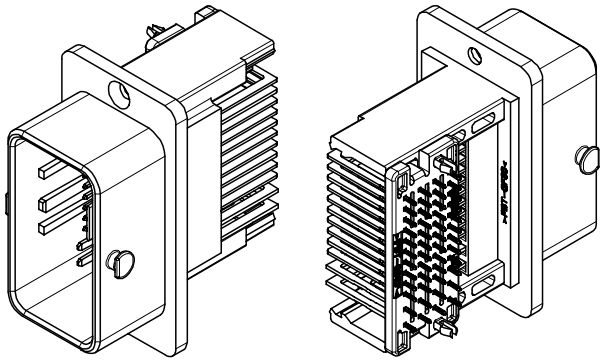
MOLEX INCORPORATED

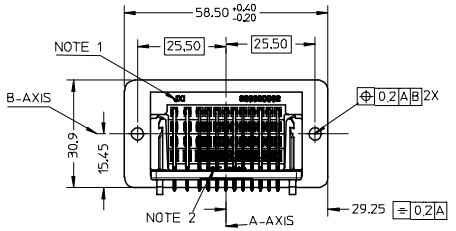
MATERIAL NO.: SEE TABLE 'A'
DOCUMENT NO.: SD-36638-002
SHEET NO.: 1 OF 3
SIZE: A2

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

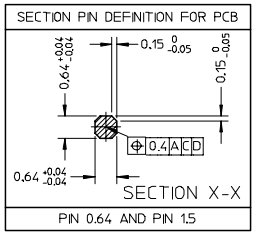
TABLE 'A'

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				
		366380004	BLACK	NOT AVAILABLE (SEE VIEW 'B')	0.8/1.6/2.0	0.64	A1 TO H1,J1 AND K1 A2 TO H2,J2 AND K2 A3 TO H3,J3 AND K3 A4 TO H4,J4 AND K4
		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				
		366380008	BLACK	NOT AVAILABLE (SEE VIEW 'B')	0.8/1.6/2.0	0.64	A2 TO H2,J2 AND K2 A3 TO H3,J3 AND K3 A4 TO H4,J4 AND K4
		366380009	BROWN				
	DESIGNATION	MOLEX PN	CODING COLOUR	PCB LOCKING ON GRID PLATE	FOR PCB OF THICKNESS	PIN	CAVITIES NUMBER

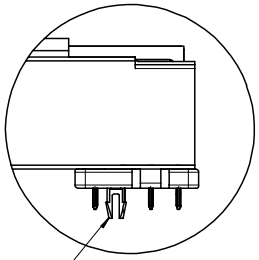




ADDITIONAL BACK VIEW

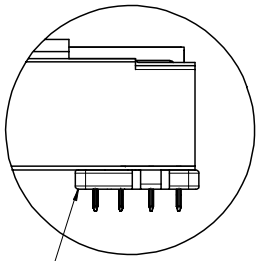


VIEW 'A'



GRID PLATE WITH PCB LOCKING

VIEW 'B'



GRID PLATE WITHOUT PCB LOCKING

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
7. PCB MOUNTING HOLE SIZE IS DIA METRIC +/-0.05 FOR TERMINALS WITH SOLDER COATING

ENTER DESCRIPTION EC NO: I2008-0132	2007/09/20 2007/09/21 2007/09/21	DRWN:RRANGAPPA01 CH'KD:KPRASAD APPR:KPRASAD	DESCRIPTION
8			REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---

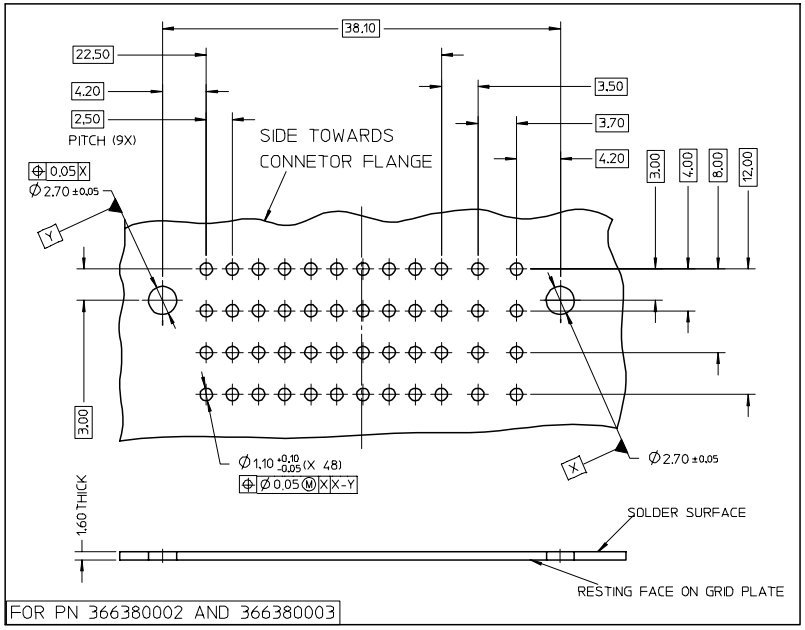
ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

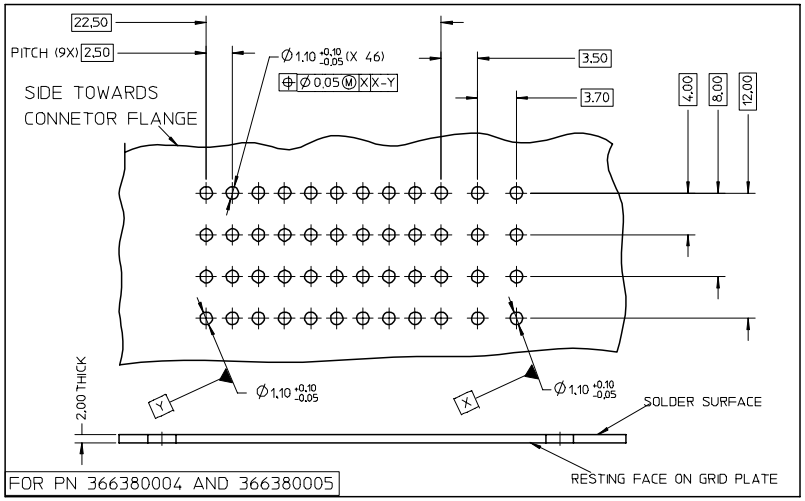
DIMENSION STYLE	SCALE / DESIGN UNITS
MM ONLY	4:1 METRIC
DRAWN BY / DATE	TITLE
ROOPESH 08/05/2006	CMC HEADER 48/48WAY AND 48/36WAY T3 INTERFACE
CHECKED BY / DATE	
DINESH 08/05/2006	
APPROVED BY / DATE	MOLEX INCORPORATED
DINESH 08/05/2006	
MATERIAL NO.	DOCUMENT NO. / SHEET NO.
SEE TABLE 'A'	SD-36638-002 / 2 OF 3
SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

THIRD ANGLE PROJECTION

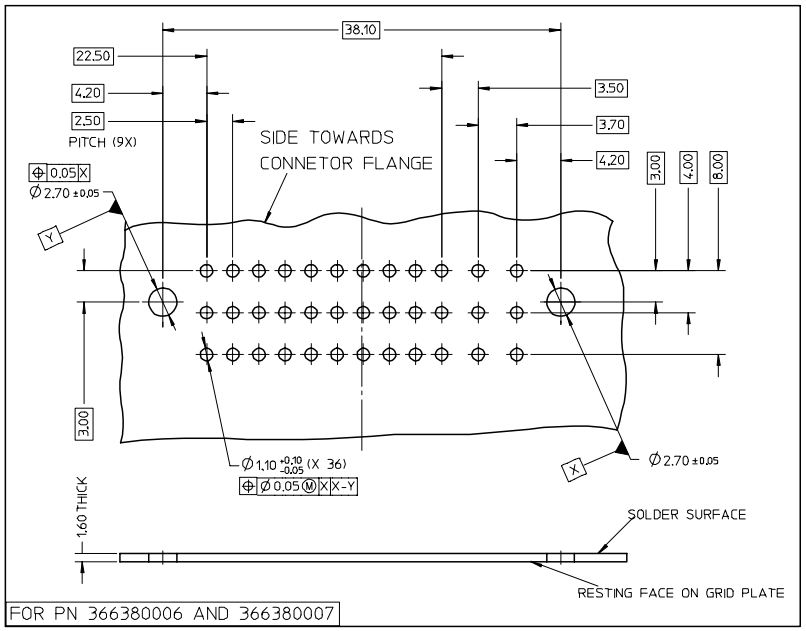
INTERFACE PCB DEFINITION (SOLDER SIDE)



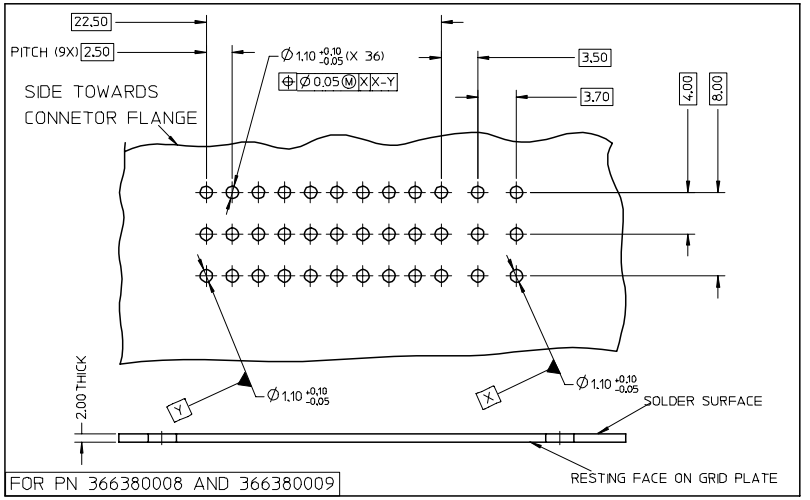
FOR PN 366380002 AND 366380003



FOR PN 366380004 AND 366380005



FOR PN 366380006 AND 366380007



FOR PN 366380008 AND 366380009

ENTER DESCRIPTION
EC NO: I2008-0132 2007/09/20
DRWN:RRANGAPPA01 2007/09/21
CHKD:KPRASAD 2007/09/21
APPR:KPRASAD 2007/09/21
DESCRIPTION
8
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
PITCH (9X)
THIRD ANGLE PROJECTION

DRAWN BY	ROOPESH	DATE 08/05/2006
CHECKED BY	DINESH	DATE 08/05/2006
APPROVED BY	DINESH	DATE 08/05/2006

TITLE
CMC HEADER
48/48WAY AND 48/36WAY
T3 INTERFACE

MOLEX INCORPORATED

MATERIAL NO. SEE TABLE 'A'
DOCUMENT NO. SD-36638-002
SHEET NO. 3 OF 3
SIZE A2

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