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Part Number: 0512335012
Status: Active
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 50 Circuits, Polarization Type A, Polarization Position C-5

Series image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-51238-016 (PDF)
Product Specification PS-51238-017 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	I/O Connectors
Series	51233
Application	Panel-Mount, Wire-to-Wire
Component Type	Housing
Product Name	CRC™
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	N/A
Circuits (maximum)	50
Color - Resin	Gray
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	n/a
Material - Resin	Polyester
Number of Rows	10
Orientation	Vertical
PCB Locator	No
Packaging Type	Tray
Panel Mount	Front, Rear
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Pitch - Term. Interface (in)	0.118 In
Pitch - Term. Interface (mm)	3.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	N/A
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	7A
Shielded	No
Voltage - Maximum	250V AC (RMS)/DC

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
51233Series

Mates With
51239-501X plug housing|54332-500X plug assembly set

Use With
56116, 56117, 56118 and 56119 male terminal|56377-500* receptacle shell

Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-016, PS-51238-017
Sales Drawing	SD-51233-013

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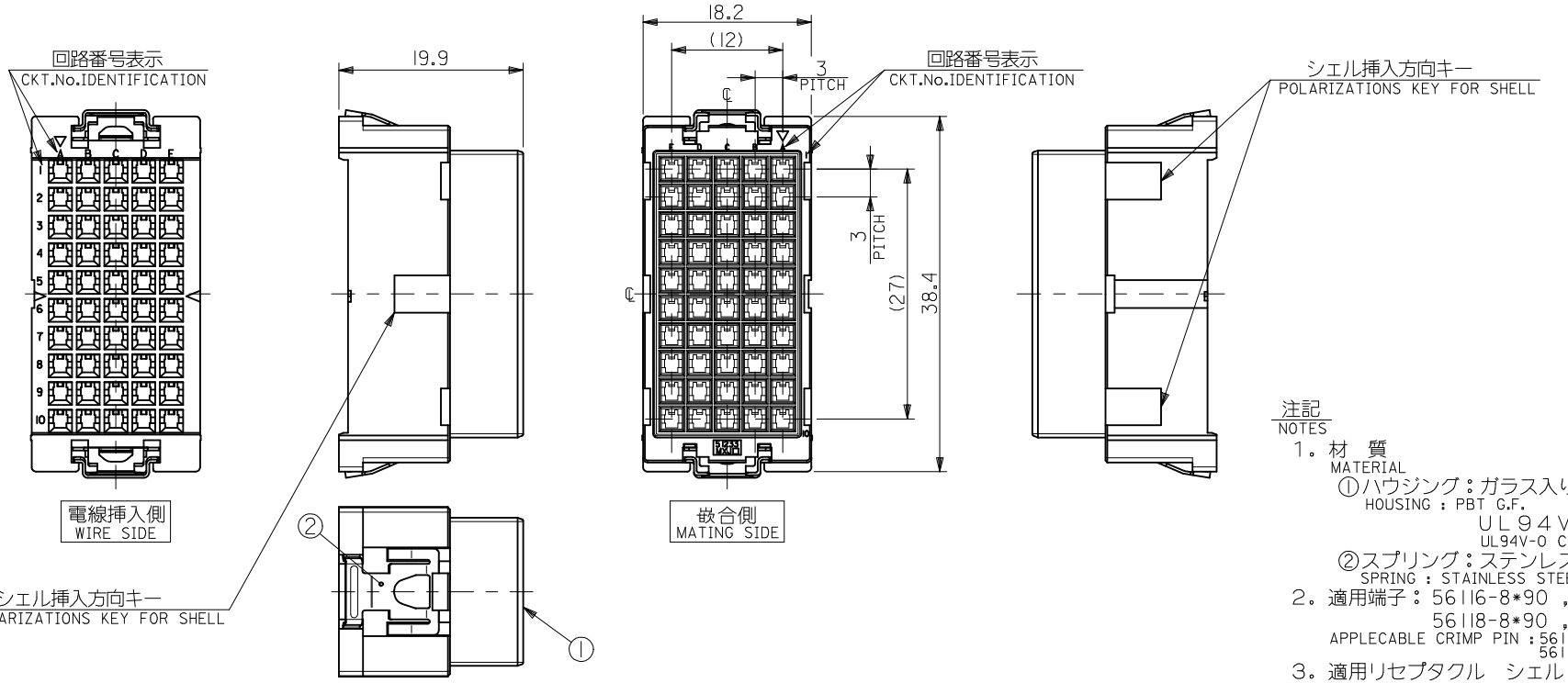
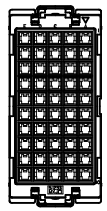
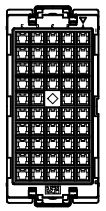
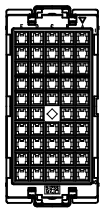
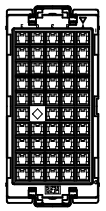


注記
NOTES

1. 材　質
   MATERIAL
   ①ハウジング：ガラス入りＰＢＴ樹脂
   HOUSING : PBT G.F.
   ＵＬ９４Ｖ－０　色：灰
   UL94V-0 COLOR : GRAY
   ②スプリング：ステンレス鋼　ｔ０．３
   SPRING : STAINLESS STEEL t0.3
2. 適用端子：56116-8*90 ，56117-8*90
   56118-8*90 ，56119-8*90
   APPLECABLE CRIMP PIN : 56116-8*90 , 56117-8*90
   56118-8*90 , 56119-8*90
3. 適用リセプタクル　シェル：56377-50**
   APPLECABLE RECEPTACLE SHELL : 56377-50**
4. 嵌合相手：51239-501*
   MEET WITH : 51239-501*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51233-5011	51233-5012	51233-5013	51233-5014
			
STANDARD TYPE	A TYPE	B TYPE	C TYPE

POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT
D-6	C	51233-5014	51233-**1*	50
C-6	B	51233-5013		
C-5	A	51233-5012		
—#—	STANDARD	51233-5011		

REVISED
EC NO: J2009-1104 2008/12/15
DRWN:NAKAMURAA 2008/12/15
CH'KD:T.HARUYAMA 2008/12/15
APPR:NUKITA 2008/12/15
DESCRIPTION
B
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: S.AKIYAMA DATE: '02/01/21
CHECKED BY: J.MIYAZAWA DATE: '02/02/04
APPROVED BY: Y.ITO DATE: '02/02/04

TITLE: COMPACT ROBOT CONN. 50CKT. REC. PIN HS'G ASS'Y

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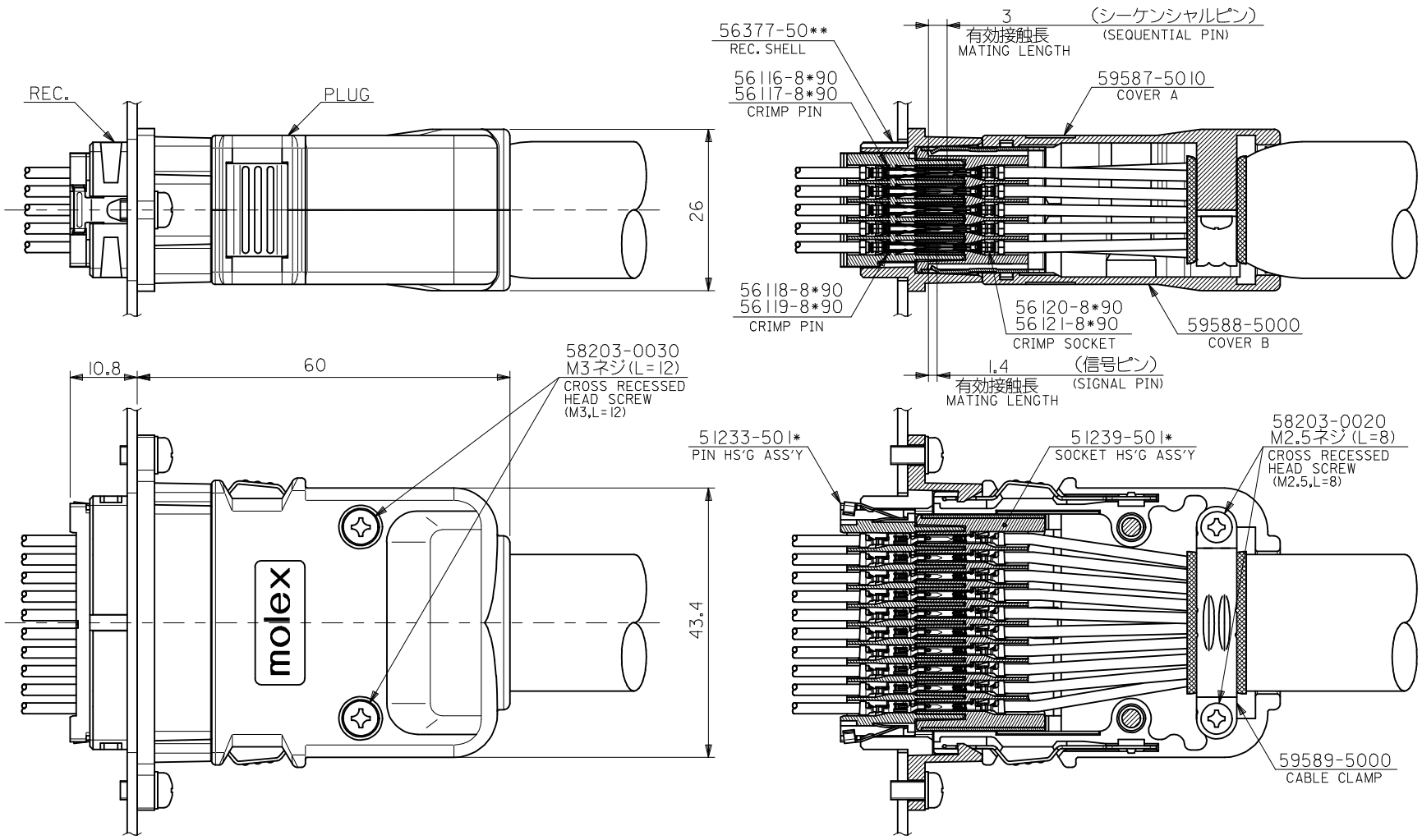
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-51233-013
SHEET NO.: 1 OF 4

SIZE A3



嵌合図
CROSS-SECTION VIEW OF MATED CONNECTOR

REVISED				REV
EC NO: J2009-1104	DRWN:NAKAMURAA	2008/12/15	DESCRIPTION	
	CH'KD:T. HARUYAMA	2008/12/15		
	APPR:NUKITA	2008/12/15		
B				

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DIMENSION STYLE	SCALE	DESIGN UNITS	
MM ONLY	---	METRIC	THIRD ANGLE PROJECTION

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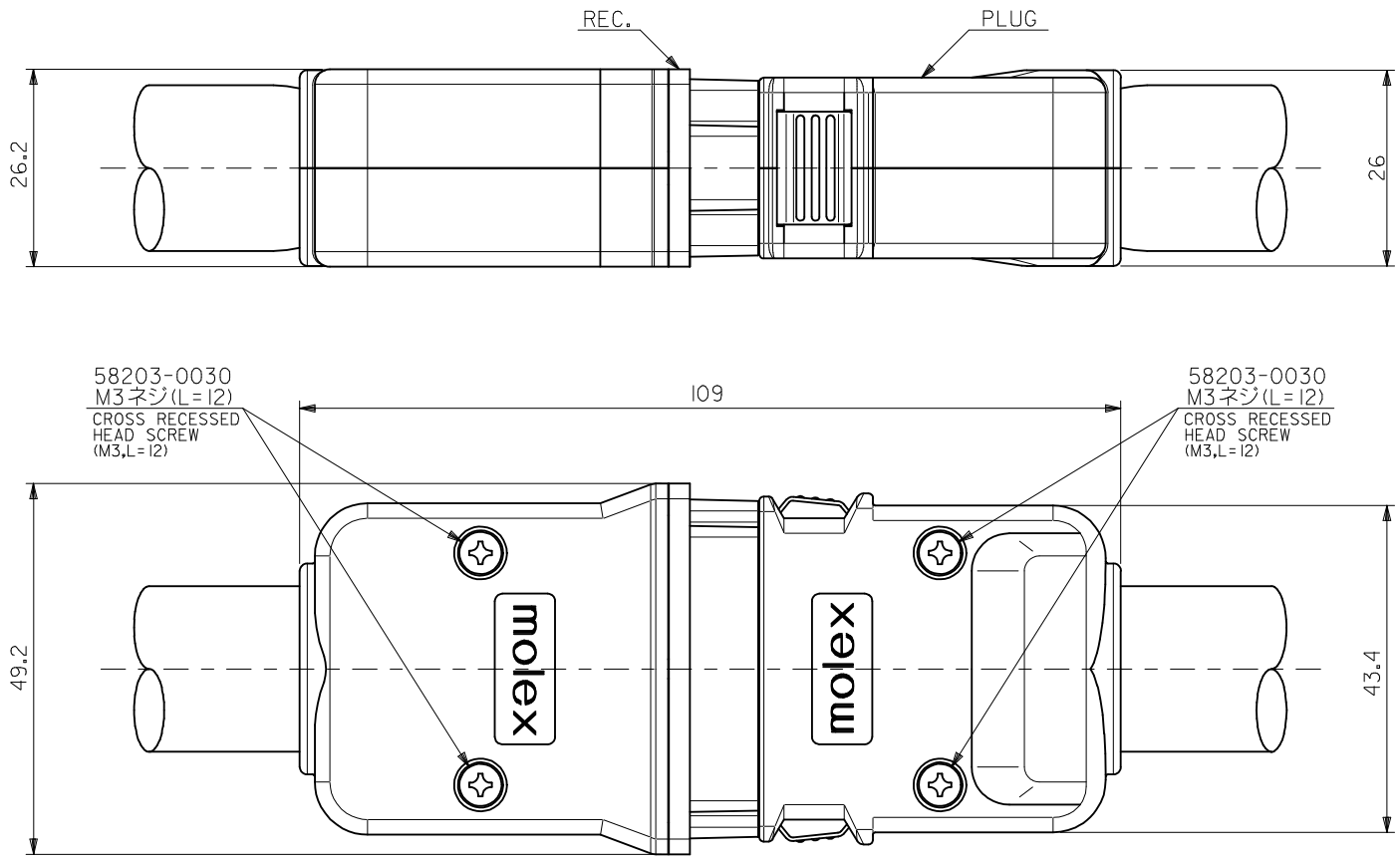
S.AKIYAMA	'02/01/21
CHECKED BY	DATE
J.MIYAZAWA	'02/02/04
APPROVED BY	DATE
Y.ITO	'02/02/04

TITLE: COMPACT ROBOT CONN. 50CKT. REC. PIN HS'G ASS'Y

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHEET 1	SD-51233-013	2 OF 4

SIZE A3



嵌合図（中継タイプ）
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

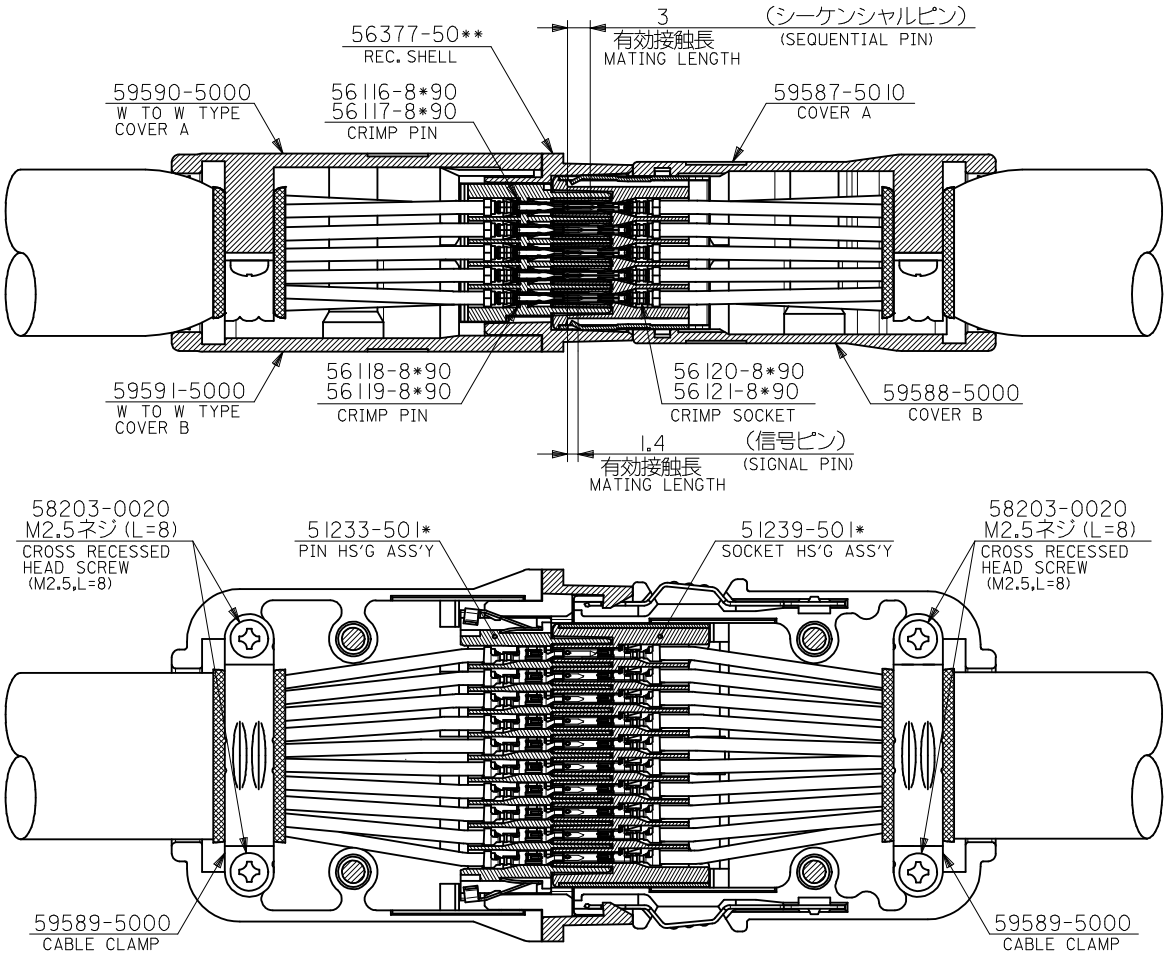
REVISED	EC NO: J2009-1104	2008/12/15	B	REV
	DRWN:NAKAMURAA	2008/12/15		
	CH'KD:T. HARUYAMA	2008/12/15		
	APPR:NUKITA			DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.30
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: S.AKIYAMA	DATE: '02/01/29	TITLE: COMPACT ROBOT CONN. 50CKT. REC. PIN HS'G ASS'Y	
CHECKED BY: J.MIYAZAWA	DATE: '02/01/29		
APPROVED BY: Y.ITO	DATE: '02/01/29	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET 1		DOCUMENT NO.: SD-51233-013	SHEET NO.: 3 OF 4
SIZE: A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



嵌合図（中継タイプ）
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

REVISED
EC NO: J2009-1104 2008/12/15
DRWN:NAKAMURAA 2008/12/15
CH'KD:T. HARUYAMA 2008/12/15
APPR:NUKITA
DESCRIPTION
B
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: S.AKIYAMA DATE: '02/01/29	TITLE: COMPACT ROBOT CONN. 50CKT. REC. PIN HS'G ASS'Y		
CHECKED BY: J.MIYAZAWA DATE: '02/02/04			
APPROVED BY: Y.ITO DATE: '02/02/04	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE SHEET 1	DOCUMENT NO.: SD-51233-013	SHEET NO.: 4 OF 4	
SIZE: A3			