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Part Number: 0512385014

Status: Active

Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Signal, 50 Circuits, Polarization Type C, Polarization Position D-6



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	51238
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)	N/A
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A, 1A, 2.5A, 2A
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
51238Series

Mates With
51234-501X plug housing|55836-500X plug assembly set

Use With
56377-500* receptacle shell|56120 and 56121 female terminal (low-insertion force type)

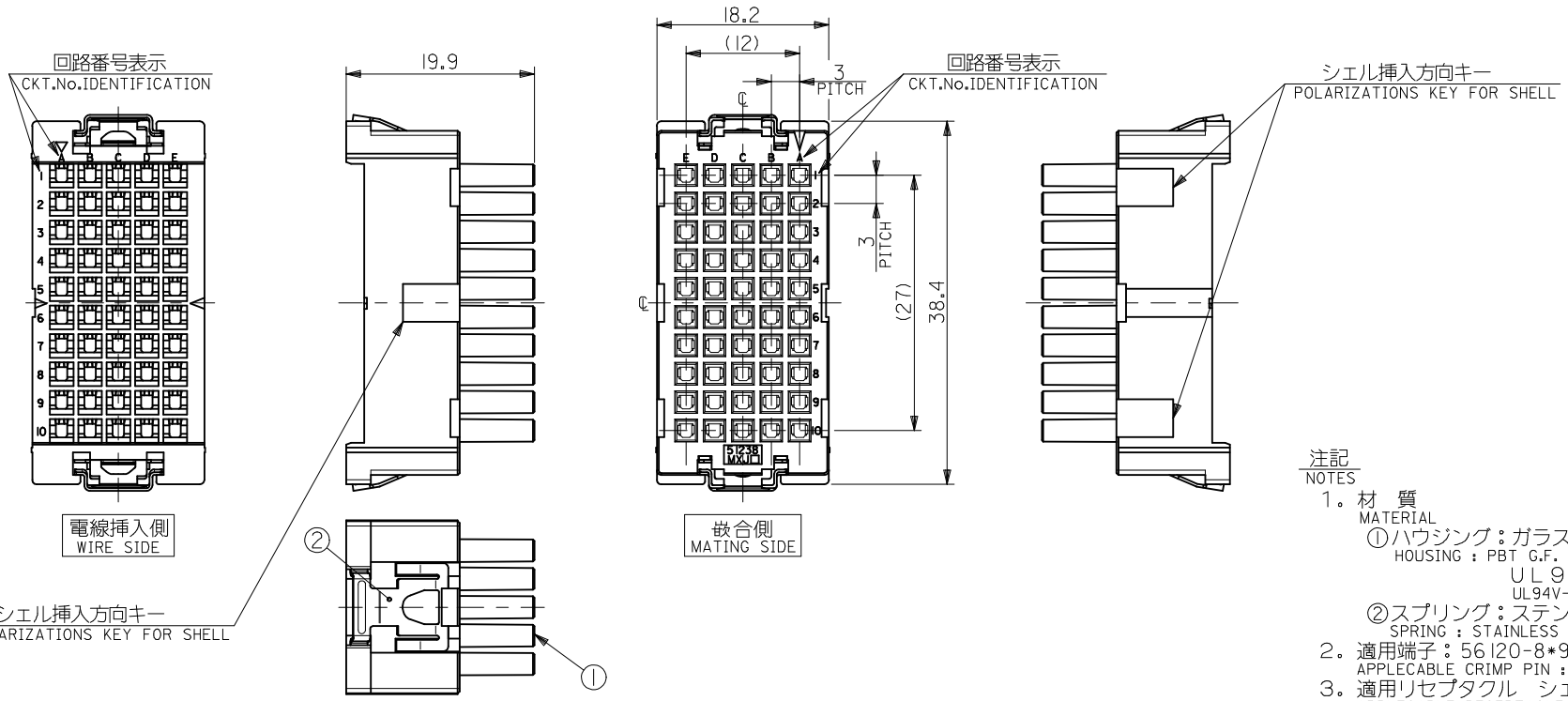
Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-016, PS-51238-017
Sales Drawing	SD-51238-015

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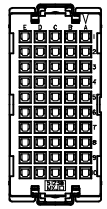
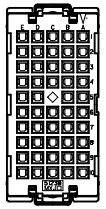
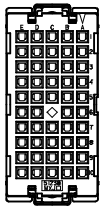
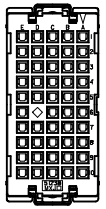
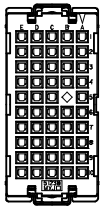
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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：56120-8*90 , 56121-8*90
APPLECABLE CRIMP PIN : 56120-8*90 , 56121-8*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：51234-501*
MEET WITH : 51234-501*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51238-5011	51238-5012	51238-5013	51238-5014	51238-5015
				
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT
D-6	C	51238-5014	51238-**1*	50
C-6	B	51238-5013		
C-5	STANDARD	51238-5011		

REVISED
EC NO: J2009-1234 2008/12/15
DRWN:YOSHIDAM 2008/12/15
CH'KD:THARUYAMA
APPR:NUKITA 2008/12/16
DESCRIPTION
REV C

GENERAL TOLERANCES (UNLESS SPECIFIED)

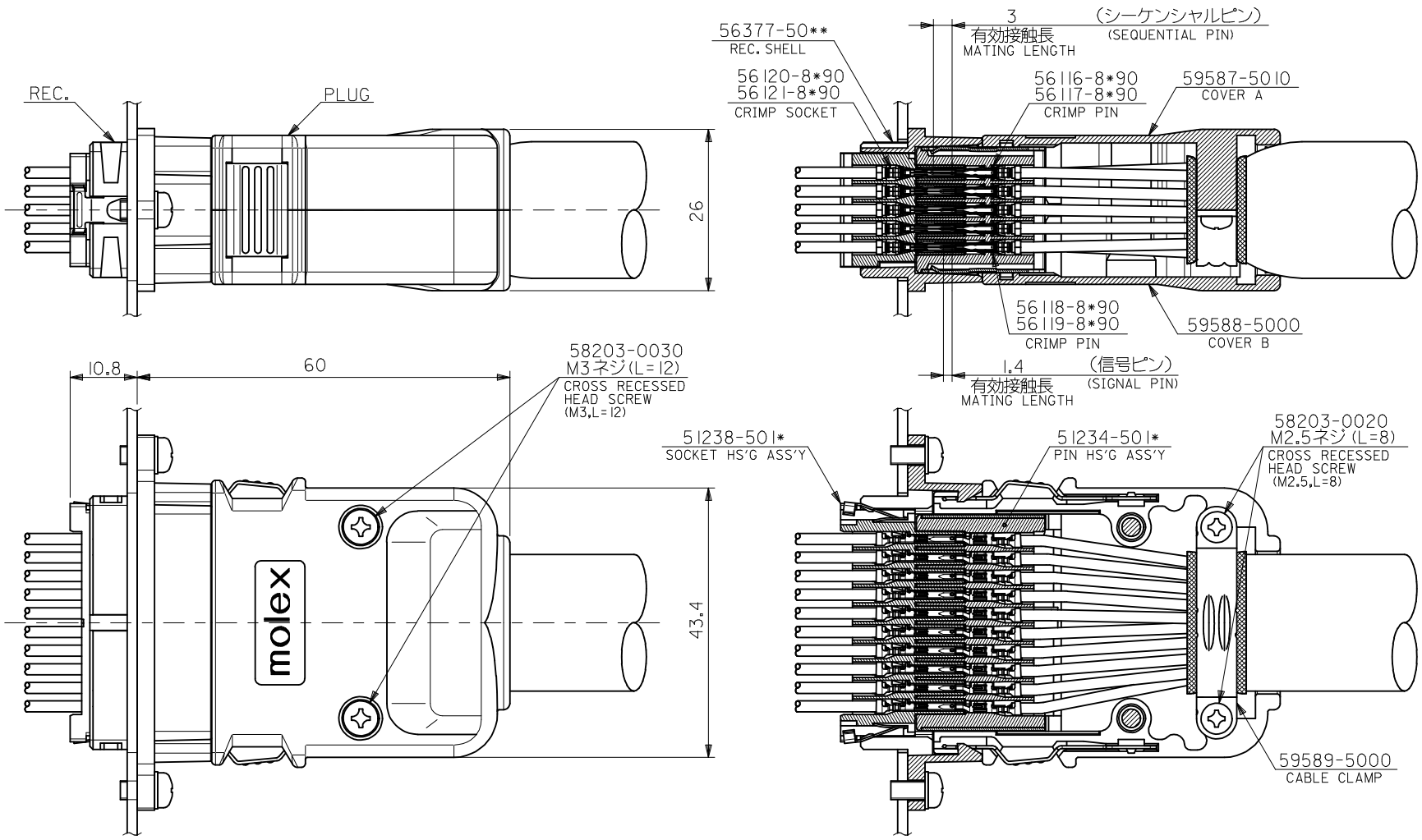
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

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	TITLE: COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y		
CHECKED BY: J.MIYAZAWA DATE: '02/01/21			
APPROVED BY: Y.ITO DATE: '02/01/21	MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-51238-015	SHEET NO.: 1 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
CROSS-SECTION VIEW OF MATED CONNECTOR

REVISED
EC NO: J2009-1234 2008/12/15
DRWN:YOSHIDAM 2008/12/15
CH'KD:THARUYAMA 2008/12/16
APPR:NUKITA
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

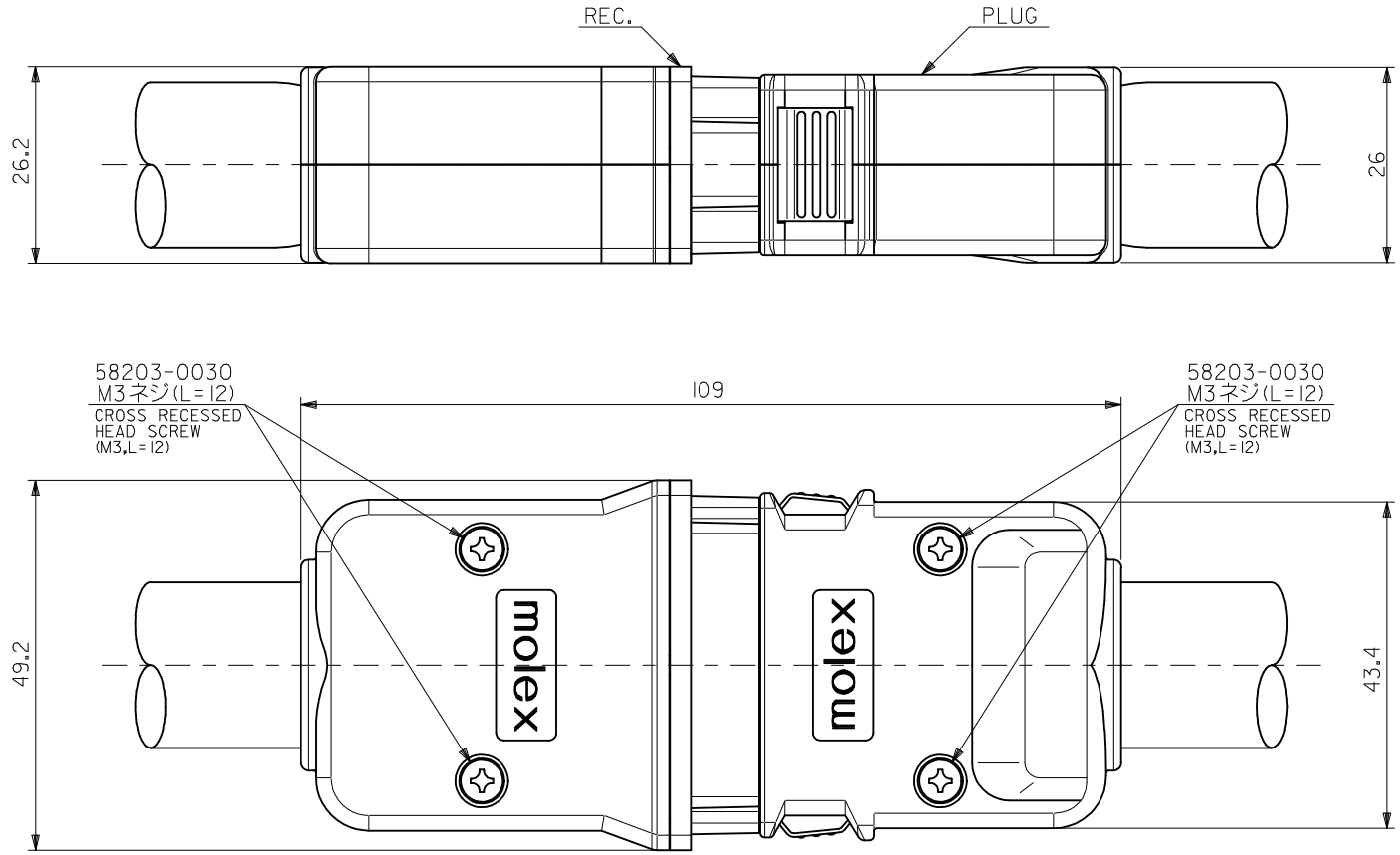
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: A.SHIMOTSU	DATE: '02/01/29	TITLE: COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y	
CHECKED BY: J.MIYAZAWA	DATE: '02/01/29		
APPROVED BY: Y.ITO	DATE: '02/01/29	MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET1		DOCUMENT NO.: SD-51238-015	SHEET NO.: 2 OF 4

SIZE A3

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

REVISED	EC NO:	DESCRIPTION	REV
DRWN:YOSHIDAM	J2009-1234	2008/12/15	C
CH'KD:THARUYAMA		2008/12/15	
APPR:NUKITA		2008/12/16	

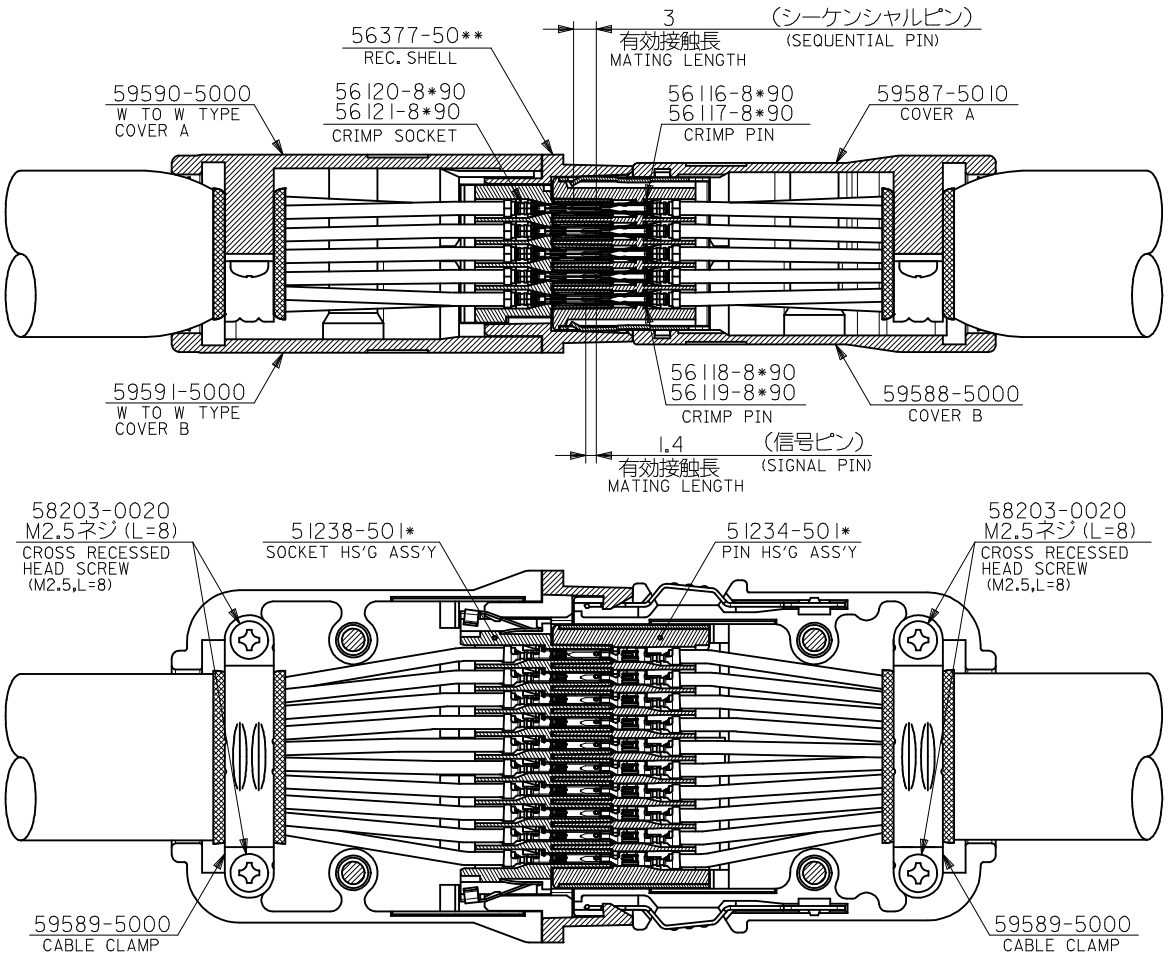
GENERAL TOLERANCES (UNLESS SPECIFIED)

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: '02/01/29	TITLE: COMPACT ROBOT CONN. 50CKT. REC. SOCKET 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 SHEET1		DOCUMENT NO.: SD-51238-015	SHEET NO.: 3 OF 4
SIZE: A3			

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

REVISED
EC NO: J2009-1234
DRWN:YOSHIDAM 2008/12/15
CH'KD:THARUYAMA 2008/12/15
APPR:NUKITA 2008/12/16
DESCRIPTION
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: '02/01/29	TITLE: COMPACT ROBOT CONN. 50CKT. REC. SOCKET 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 SHEET1	DOCUMENT NO.: SD-51238-015	SHEET NO.: 4 OF 4	
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