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Part Number: [5026113521](#)
Status: **Active**
Description: 0.50mm (.020") Pitch Easy-On™ Type FPC Connector, Right Angle, SMT, Bottom Contact, 3.90mm (.154") Mated Height, 35 Circuits, with Dust Cover, Lead-free

Documents:
[3D Model](#) [Product Specification PS-502611-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	502611
Product Name	Easy-On™
Physical	
Circuits (Loaded)	35
Contact Position	Bottom
Durability (mating cycles max)	20
Entry Angle	90° Angle
Mated Height (in)	0.154 In
Mated Height (mm)	3.90 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Number of Rows	1
Orientation	Right Angle
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-10C TO +100C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FPC only

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	100V

Material Info

Reference - Drawing Numbers	
Product Specification	PS-502611-002, RPS-502611-003
Sales Drawing	SD-502611-003, SD-502611-004

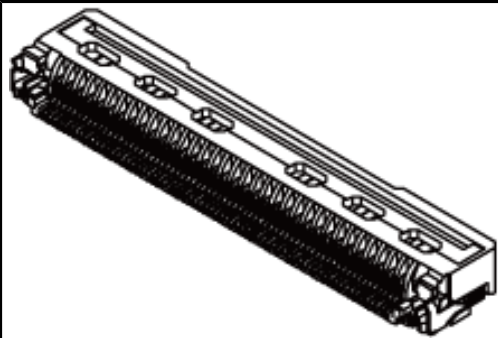


image - Reference only Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

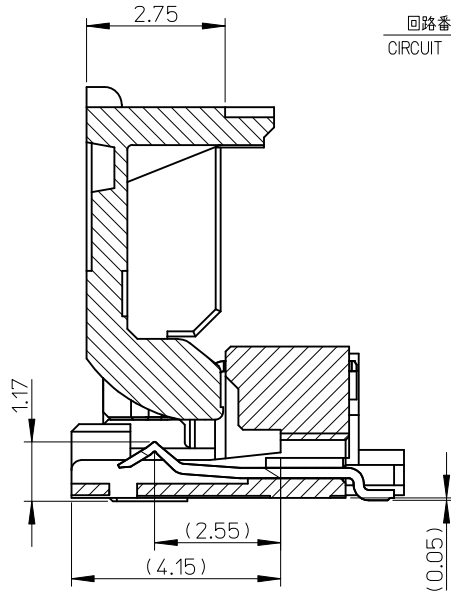
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

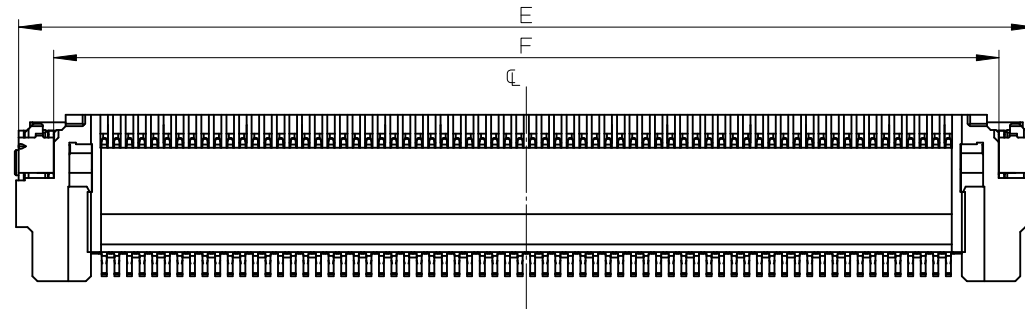
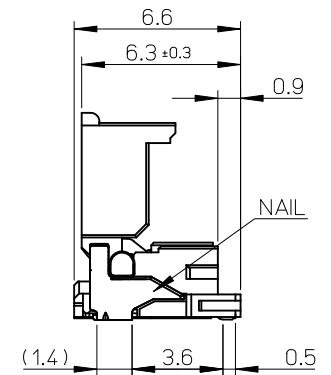
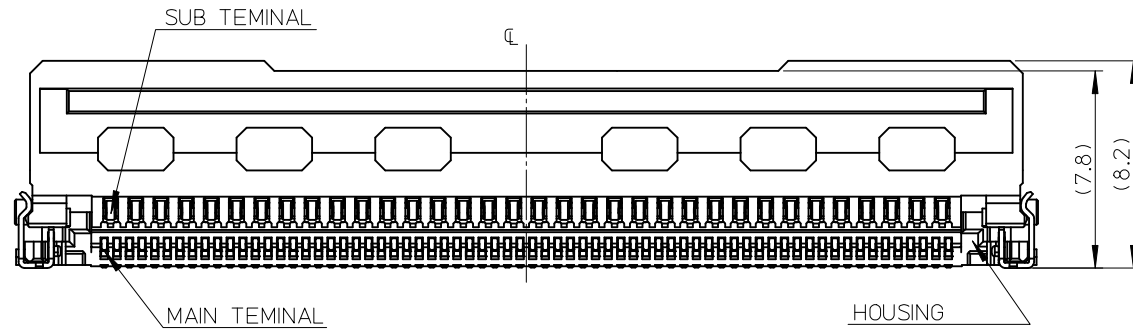
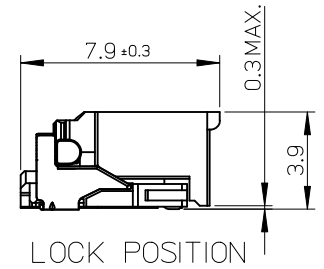
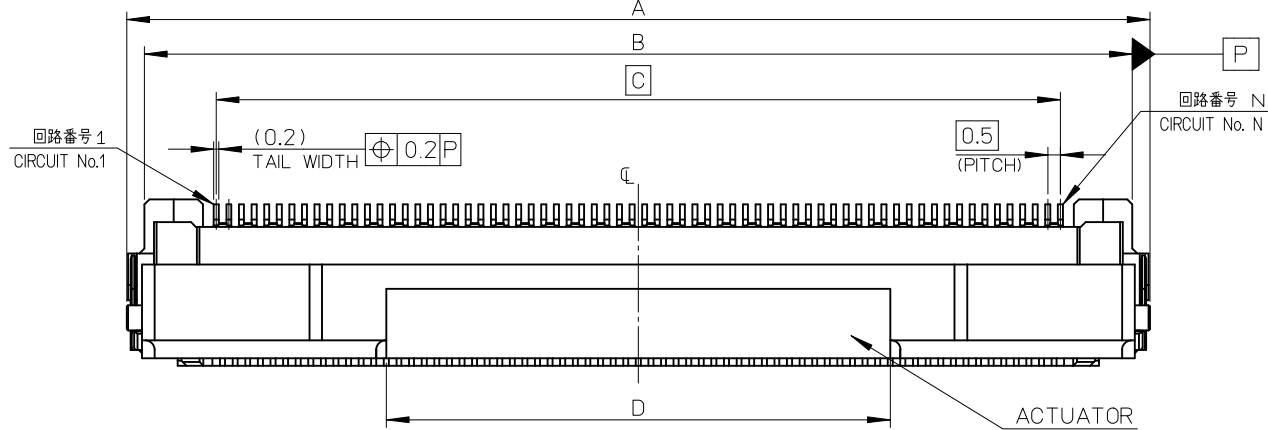
Search Parts in this Series
[502611Series](#)

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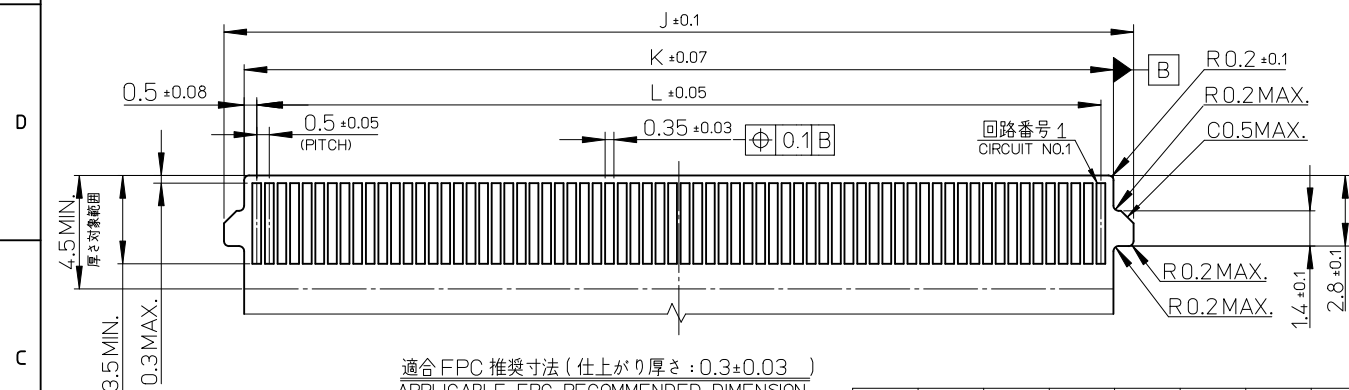
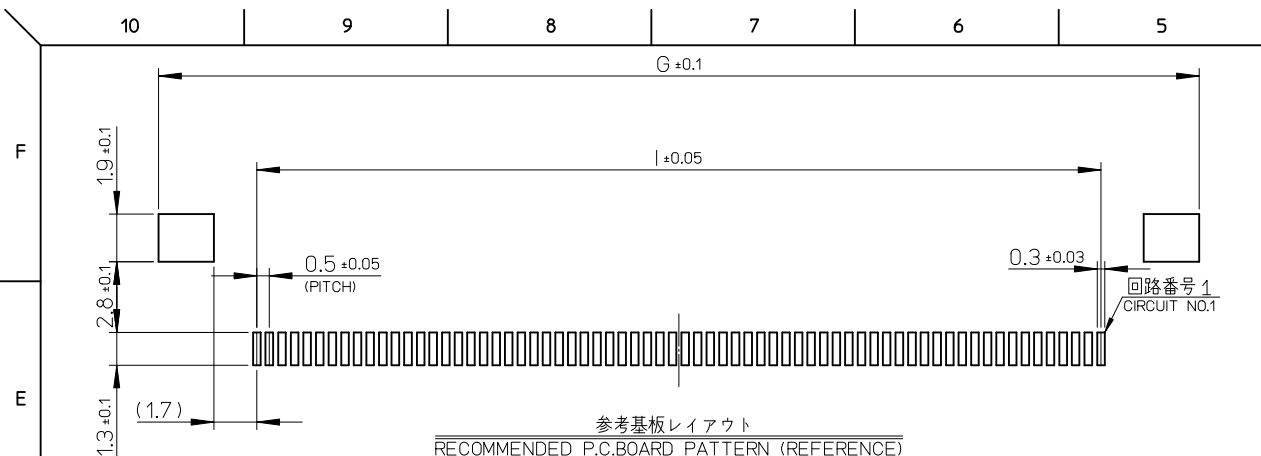
10 9 8 7 6 5 4 3 2 1



SECTION X-X
Scale 10:1



REVISED EC NO: J2010-1375 DRWN:NAITO 2009/12/25 CHKD:WATSUURA 2009/12/25 APPR:KMORIKAWA 2009/12/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY YKOBAYASHI02	DATE 2008/10/21	TITLE 0.5 FPC CONN. E/O WITH DUST COVER GANG ASSY TYPE			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KMORIKAWA	DATE 2008/10/21				
		30 OVER	± 0.3	APPROVED BY HHIRATA	DATE 2008/10/21				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-502611-003		1 OF 2		
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

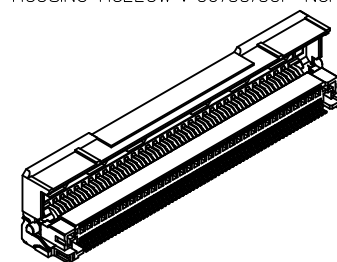


適合FPC推奨寸法(仕上がり厚さ:0.3±0.03)
APPLICABLE FPC RECOMMENDED DIMENSION
(THICKNESS:0.3±0.03)

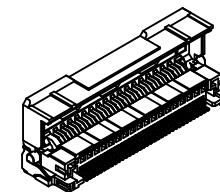
PART	MATERIAL
ハウジング HOUSING	ガラス入り耐熱樹脂、UL94-V0 GLASS FILLED HEAT RESISTANCE POLYMER, UL94-V0
アクチュエータ ACTUATOR	ガラス入り耐熱樹脂、UL94-V0 GLASS FILLED HEAT RESISTANCE POLYMER, UL94-V0
メインターミナル MAIN TERMINAL	銅合金、金めっき、下地ニッケルめっき COPPER ALLOY, GOLD(AU) PLATING, NICKEL UNDER PLATING
サブターミナル SUB TERMINAL	銅合金、錫めっき COPPER ALLOY, TIN PLATING
ネイル NAIL	銅合金、錫めっき COPPER ALLOY, TIN PLATING

NOTES

1. 適用電線 (FPC) の厚さは0.3mm
APPLICABLE CABLE (FPC) TO BE 0.3mm IN THICKNESS.
2. アクチュエータの穴位置、数は任意のこと。
TO BE CHANGED POSITIONS AND QUANTITY OF ACTUATOR HOLES.
3. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT
4. ハウジング天面抜きの有無: 68/55/50極: 無 40/35/30/20極: 有
HOUSING HOLLOW: 68/55/50P NON HOLLOW. 40/35/30/20P HOLLOW.



68/55/50極(肉抜き無)
68/55/50P NON HOLLOW



40/35/30/20極(肉抜き有)
40/35/30/20P HOLLOW

33.5	34.5	36.1	33.5	36.9	41.3	37.5	40.3	20	33.5	39.2	40.6	502611-6821	502611-6829	68
27.0	28.0	29.6	27.0	30.4	34.8	31.0	33.8	20	27.0	32.7	34.1	502611-5521	502611-5529	55
19.5	20.5	22.1	19.5	22.9	27.3	23.5	26.3	10	19.5	25.2	26.6	502611-4021	502611-4029	40
17.0	18.0	19.6	17.0	20.4	24.8	21.0	23.8	10	17.0	22.7	24.1	502611-3521	502611-3529	35
14.5	15.5	17.1	14.5	17.9	22.3	18.5	21.3	10	14.5	20.2	21.6	502611-3021	502611-3029	30
9.5	10.5	12.1	9.5	12.9	17.3	13.5	16.3	5	9.5	15.2	16.6	502611-2021	502611-2029	20
L	K	J	I	H	G	F	E	D	C	B	A	EMBOSSSED TAPE	MATERIAL NO.	CIRCUITS
												ORDER NO. オーダー番号		
SEE SHEET 1 EC NO.: J2010-1375 DRAWN: NNAITO 2009/12/25 CHKD: NMAITSUURA 2009/12/25 APPR: KMORI KAWA 2009/12/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)					DIMENSION STYLE MM ONLY			SCALE --	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER ± 0.2					DRAWN BY DATE YKOBAYASHI 02 2008/10/21			TITLE 0.5 FPC CONN. E/O WITH DUST COVER GANG ASSY TYPE				
		10 OVER 30 UNDER ± 0.25					CHECKED BY DATE KMORI KAWA 2008/10/21							
		30 OVER ± 0.3					APPROVED BY DATE HHIRATA 2008/10/21							
		ANGULAR ± 1 °					MATERIAL NO.			DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SEE CHART			SD-502611-003				
REV	B						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
SHEET NO. 2 OF 2														

F

E

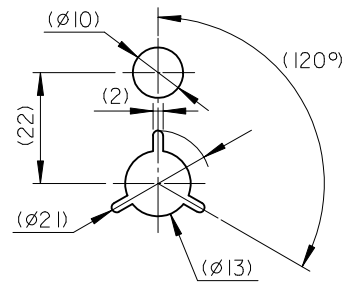
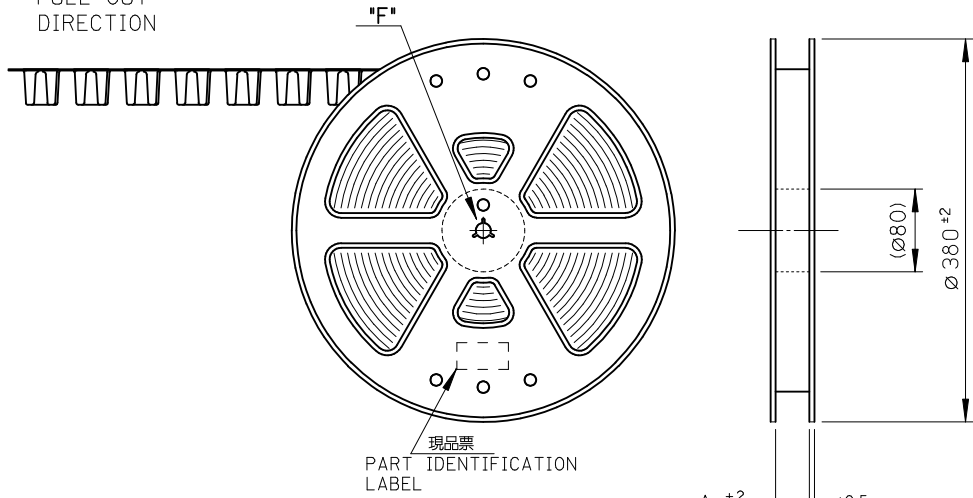
D

C

B

A

引き出し方向
PULL OUT
DIRECTION



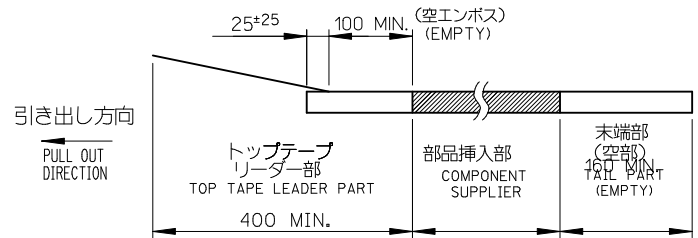
DETAIL "F"

A $\begin{smallmatrix} +2 \\ 0 \end{smallmatrix}$ 2 ± 0.5

NOTES

- 1. 梱包数量：800個／リール
NUMBER OF CONNECTORS : 800PCS/REEL
- 2. リードテープ長さ
LEAD TAPE LENGTH

トップテープ 未接着部
TOP TAPE NON-BONDED PART



- 3. 材料 キャリアテープ：ポリプロピレン (PP)
トップテープ：PET、PE、PEF
リール：ポリスチレン (PS) <リサイクル材を含む>
MATERIAL CARRIER TAPE : POLYPROPYLENE
TOP TAPE : PET,PE,PEF
REEL : POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>
- 4. 欠損無きこと。
THERE MUST NOT BE LOSS.
- 5. ELV 及びRoHS適合品
ELV AND RoHS COMPLIANT

26.2	52.4	56	57.4	502611-6829	502611-6821	68
26.2	52.4	56	57.4	502611-5529	502611-5521	55
20.2	40.4	44	45.4	502611-4029	502611-4021	40
20.2	40.4	44	45.4	502611-3529	502611-3521	35
20.2	40.4	44	45.4	502611-3029	502611-3021	30
20.2	40.4	44	45.4	502611-2029	502611-2021	20
D	C	B	A	製品番号 (コネクタ) CONNECTOR NO.	製品番号 (エンボス梱包) MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2010-1375 DRWN:NAI TO 2009/12/25 CHKD:WATSUURA 2009/12/25 APPR:KMORIKAWA 2009/12/25 B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		1:1	METRIC			
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 0.5 FPC CONN. E/O WITH DUST COVER EMBSTP PKG				
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE					
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
	ANGULAR ±1 °		HHIRATA	2008/10/21						
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.					SHEET NO.
SEE CHART			SD-502611-004					1 OF 2		
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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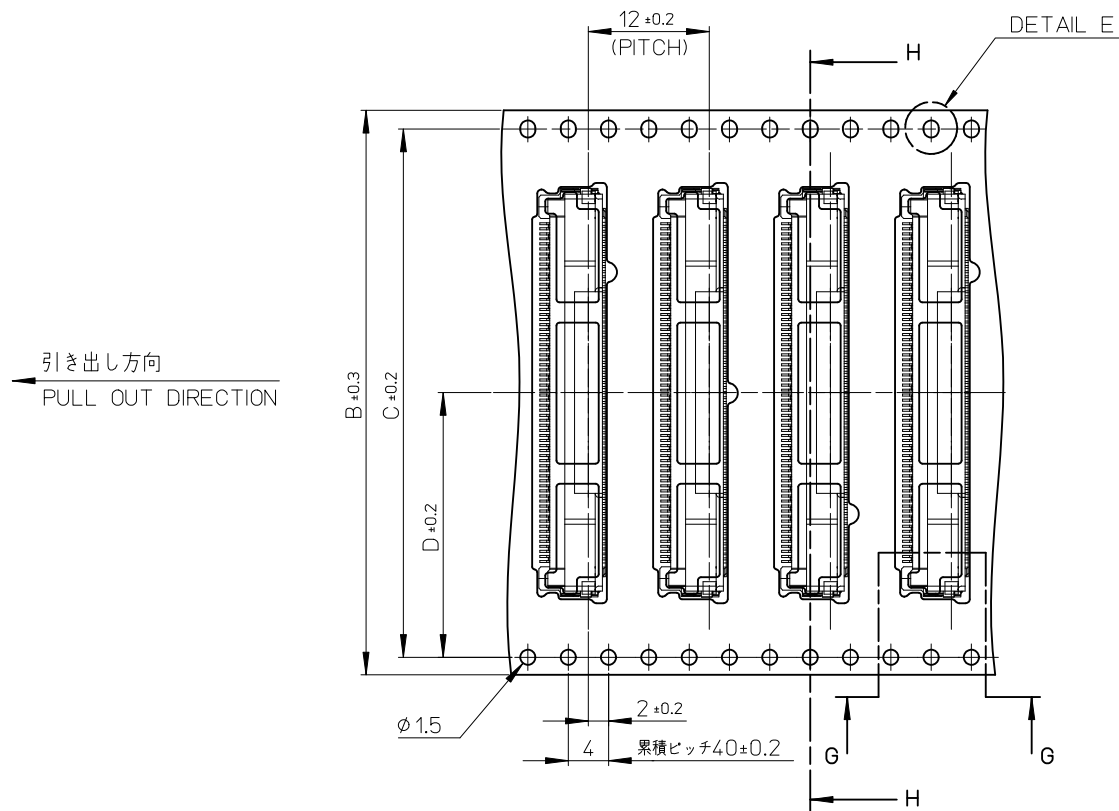
E

D

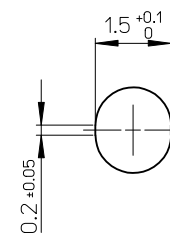
C

B

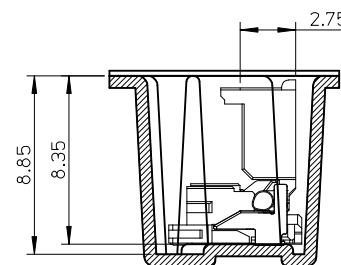
A



DETAIL E

DETAIL E
(SCALE 10 : 1)

SECTION H-H

SECTION G-G
(SCALE 4 : 1)

SEE SHEET 1 EC NO.: J2010-1375 DRWN: NAITO 2009/12/25 CHKD: MATSUURA 2009/12/25 APPR: KMORIKAWA 2009/12/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY YKOBAYASHI	DATE 2008/10/21	TITLE 0.5 FPC CONN. E/O WITH DUST COVER EMBSTP PKG			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KMORIKAWA	DATE 2008/10/21				
		30 OVER	± 0.3	APPROVED BY HHRATA	DATE 2008/10/21	MOLEX INCORPORATED			
		ANGULAR ±1 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-502611-004		2 OF 2		
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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