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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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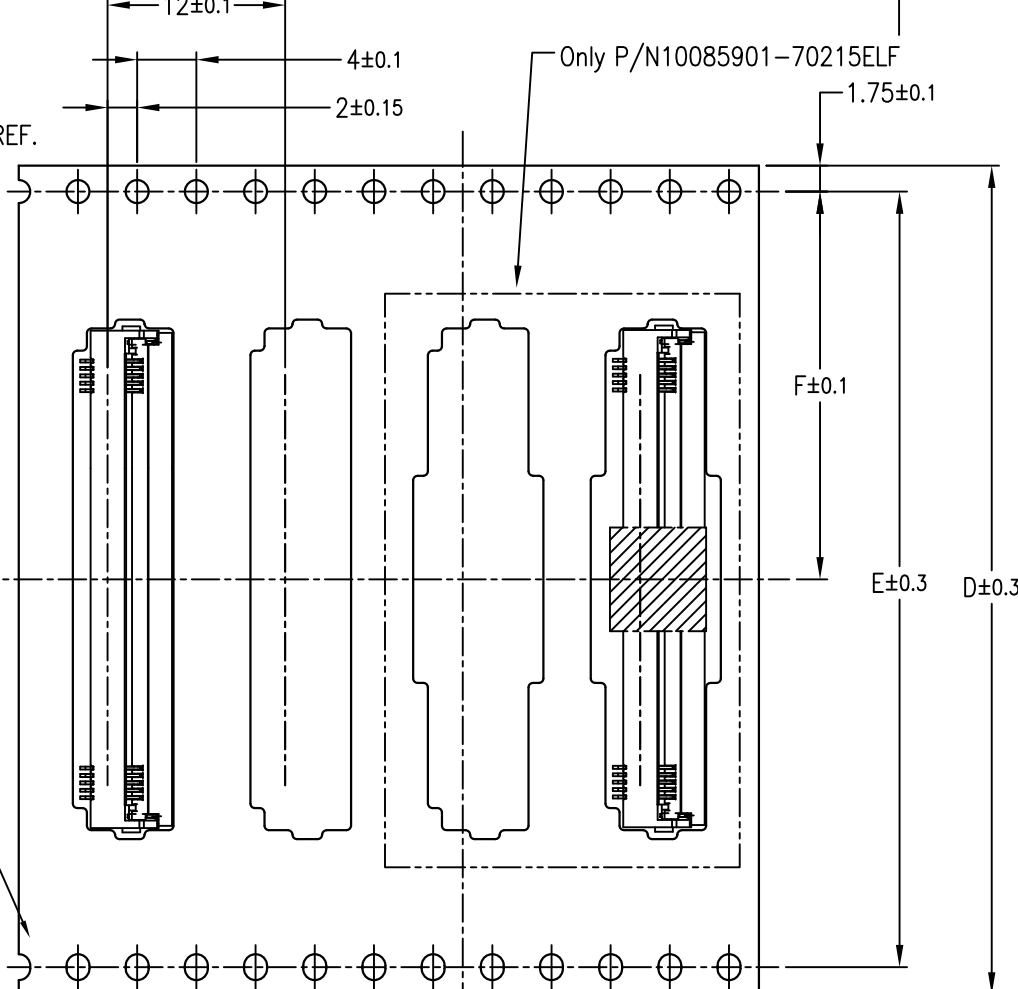
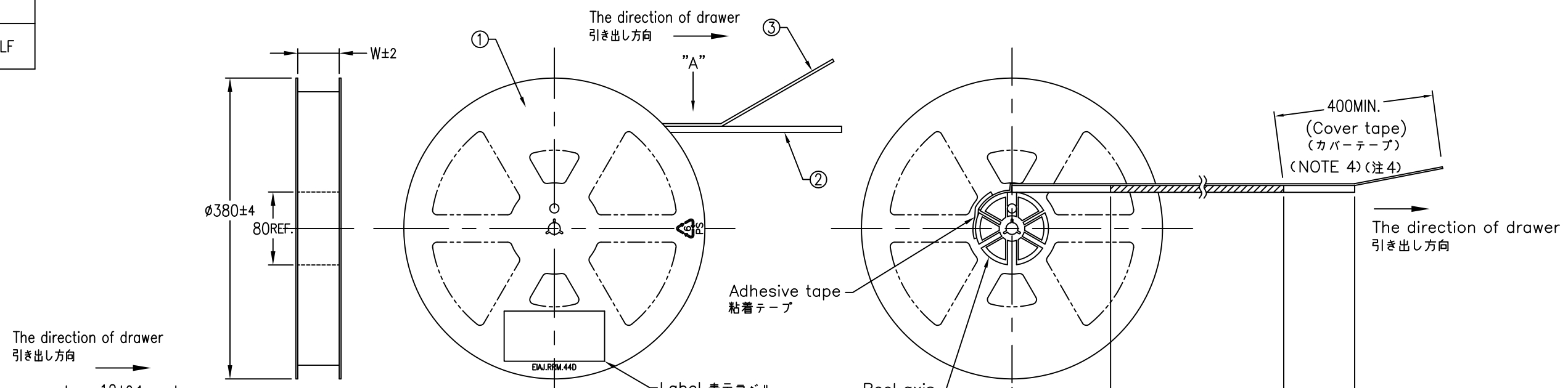
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PRODUCT NO.

10085901-****5E*LF



<P/N composition> <P/N 構成>
 10085901-** * 1 5 E * LF

- Lead Free
- Blank: Standard material
- H: Halogen free material
- Packaging form (E: Plastic reel- Embossing tape package)
- Embossing tape package 5: 12mm PITCH
- Plating spec / Contact style 1: Au plating / Single contact point
- D: Au plating / Double contact point
- Blank: Without cable lock
- 1: With cable lock
- 2: Without cable lock / With picku-up tape
- No of position
- Series name

PARTS TABLE 部品表

No.	Part name 部品名	Material 材質	QTY.	Note 備考
①	The reel for packaging 梱包用リール	Polystyrene ポリスチレン	1	Color / Window of the reel: option 色 / リール窓: 任意 Electrification prevention processing 帯電防止処理品
②	Emboss tape エンボステープ	PET	1	Electrification prevention processing 帯電防止処理品
③	Cover tape カバーテープ	Polyester ポリエステル	1	
④	Connector コネクタ	See sheet 2	3000	

Part No. 型番	DIM "D" D寸法	DIM "E" E寸法	DIM "F" F寸法	DIM "W" W寸法
10085901-70*15E*LF ↑ 10085901-60*15E*LF	56	52.4	26.2	57.5
10085901-50*15E*LF ↑ 10085901-35*15E*LF	44	40.4	20.2	45.5

mat'l. code ---		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection MM		product family 59KF FLEX 0.5		CODE JP	
ltr	description	ecn no	dr	date	tolerances unless otherwise specified		title		ASSEMBLY		
H	ONLY_REV_UP	ELXJ-019682	Y.K	2014-12-09	angles	0.X ±0.3	0.5mm PITCH CONNECTOR FOR FPC		VHC Series		
J	CHANGE_DRW_FORM	ELXJ-019892	Y.K	2015-01-06	linear	0.XX ±0.3	VHC Series		sheet 1 of 8 size		
					0°±3'	0.XXX ±0.3	scale N/A		dwg no		
					dr	Y.KAMEDA	2015-01-06		sheet 1 of 8 size		
					engr	Y.KAMEDA	2015-01-06		10085901		
F	REVISED	ELXJ-010325	Y.K	2012-2-20	chr	LAI,TIAN-POH	2015-01-06		A3		
G	REVISED	ELXJ-016518	Y.K	2013-12-16	appd	N.SASAME	2015-01-06		Product-Customer Drw		
sheet index	revision sheet	J	J	J	J	J	J	J	Rev.		
		1	2	3	4	5	6	7	J		

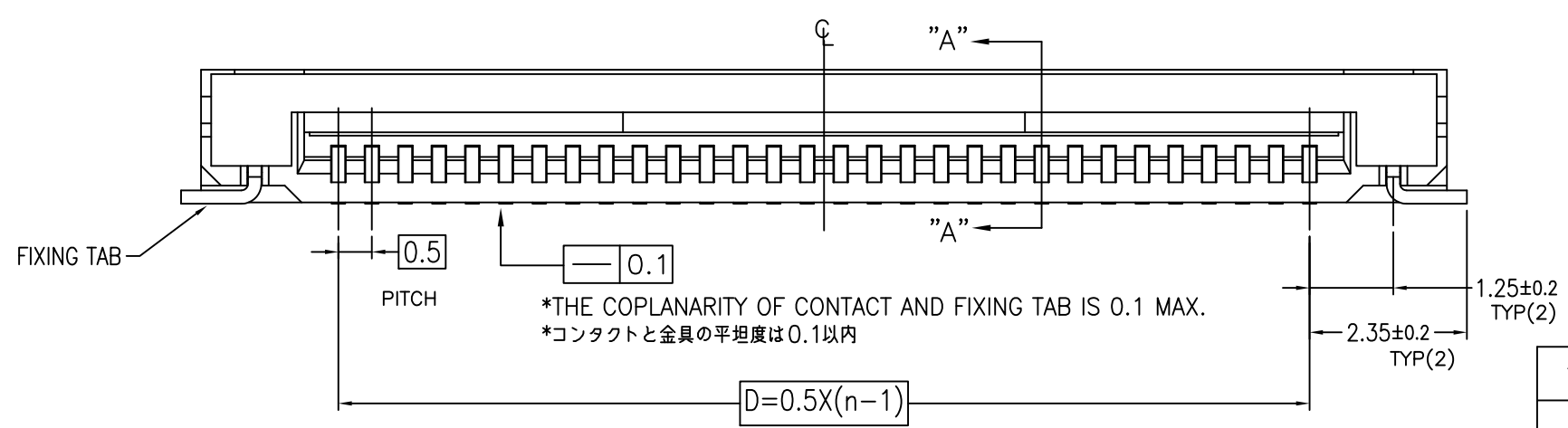
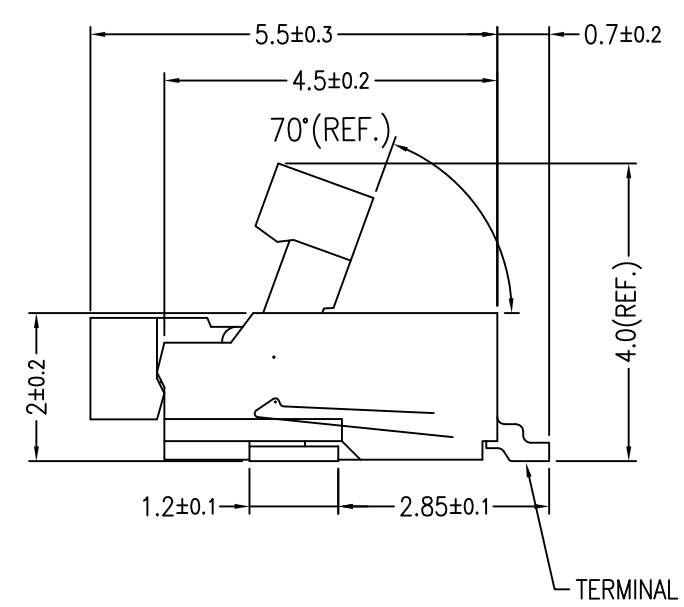
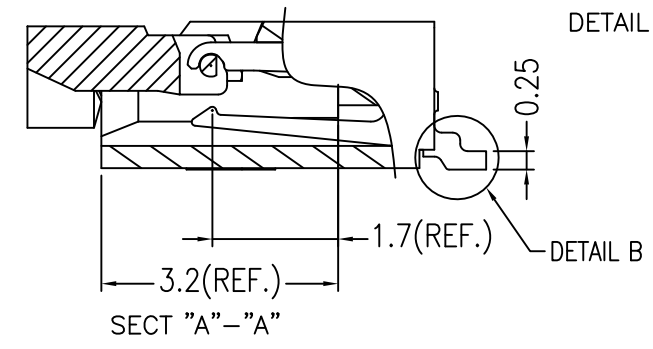
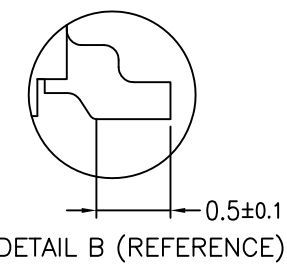
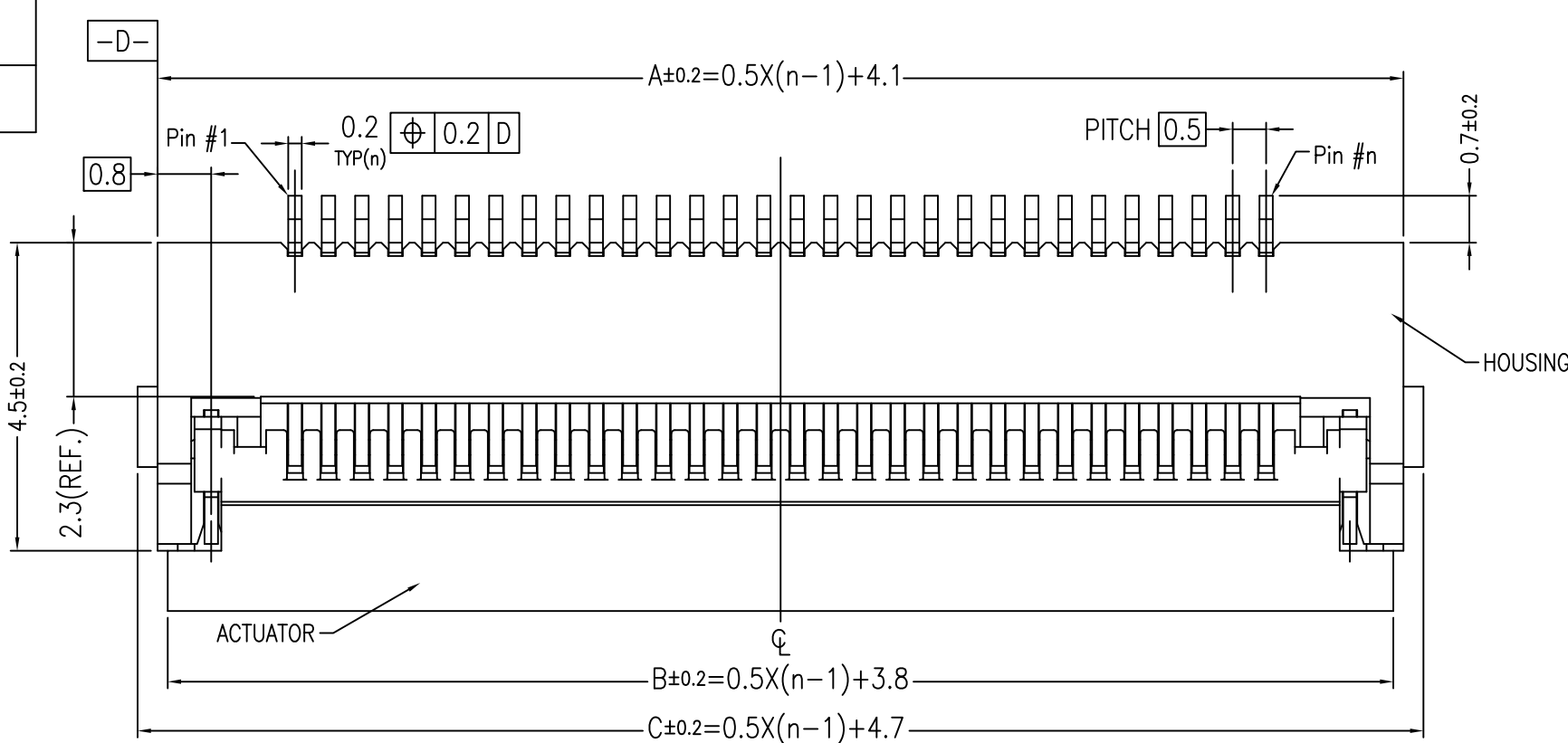
NOTE
 1. This article carries out the emboss tape package of the P/N10085901 series connector.
 2. The shape and dimension of this article are based on JIS C 0806.
 (Taping of electronic parts (Surface mounted device))
 3. The color and window of a plastic reel are optional.

注記
 1. 本品は P/N10085901シリーズをエンボステープ梱包したものである。
 2. 本品の形状及び寸法規定は JIS C 0806 (電子部品のテーピング (表面実装部品)) に準拠する。
 3. 本品の色及びリール窓は任意とする。

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PRODUCT NO.

10085901-***1*LF



P/N	ACTUATOR COLOR	REMARK
-***1LF	NATURAL (BROWN)	STANDARD
-***1HLF	BLACK	HALOGEN FREE (less than 900ppm)

10085901-701HLF	38.6	38.3	39.2	34.5	40.3
10085901-701LF	38.6	38.3	39.2	34.5	40.3
10085901-601HLF	33.6	33.3	34.2	29.5	35.3
10085901-601LF	33.6	33.3	34.2	29.5	35.3
10085901-501HLF	28.6	28.3	29.2	24.5	30.3
P/N	A	B	C	D	E

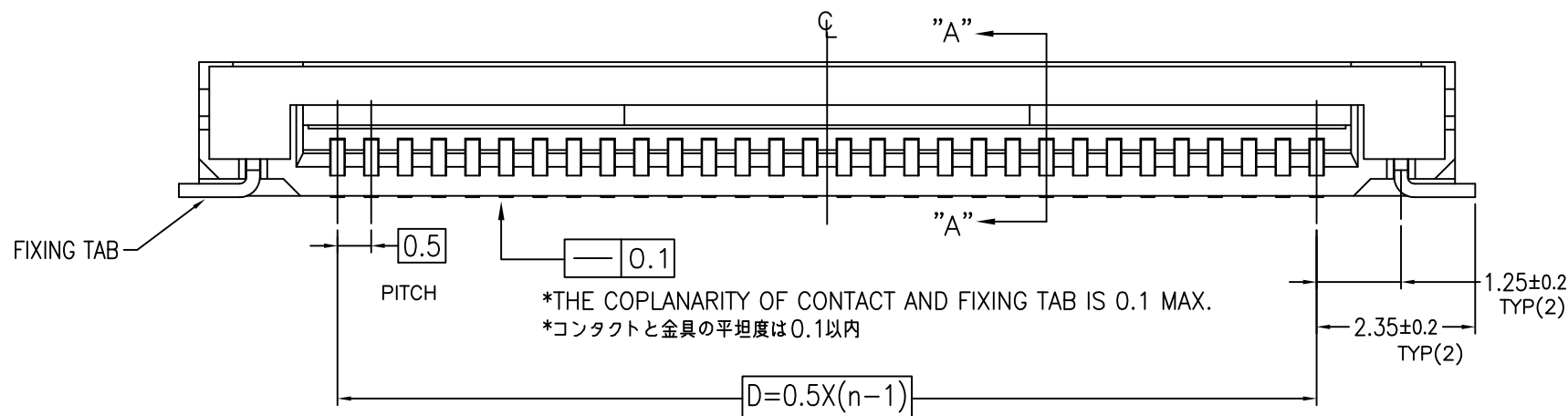
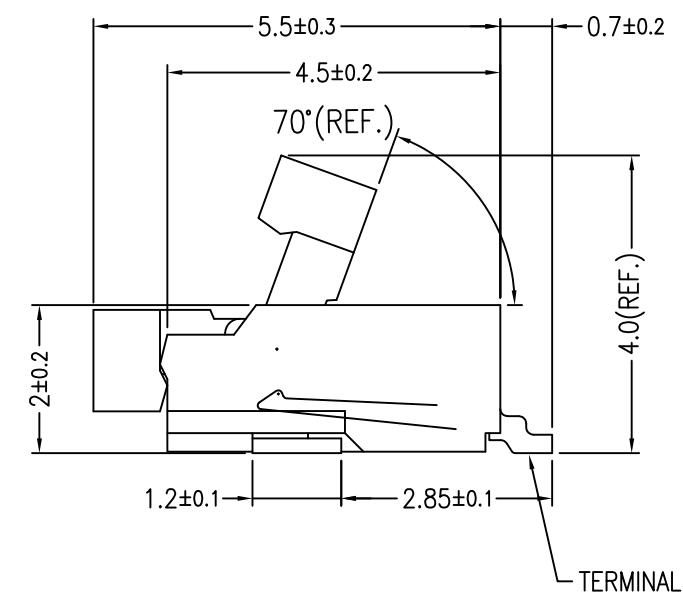
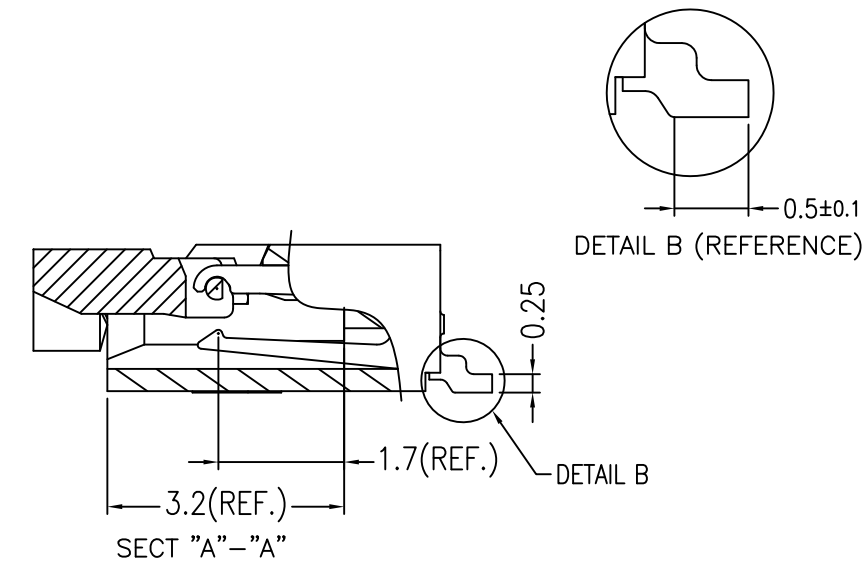
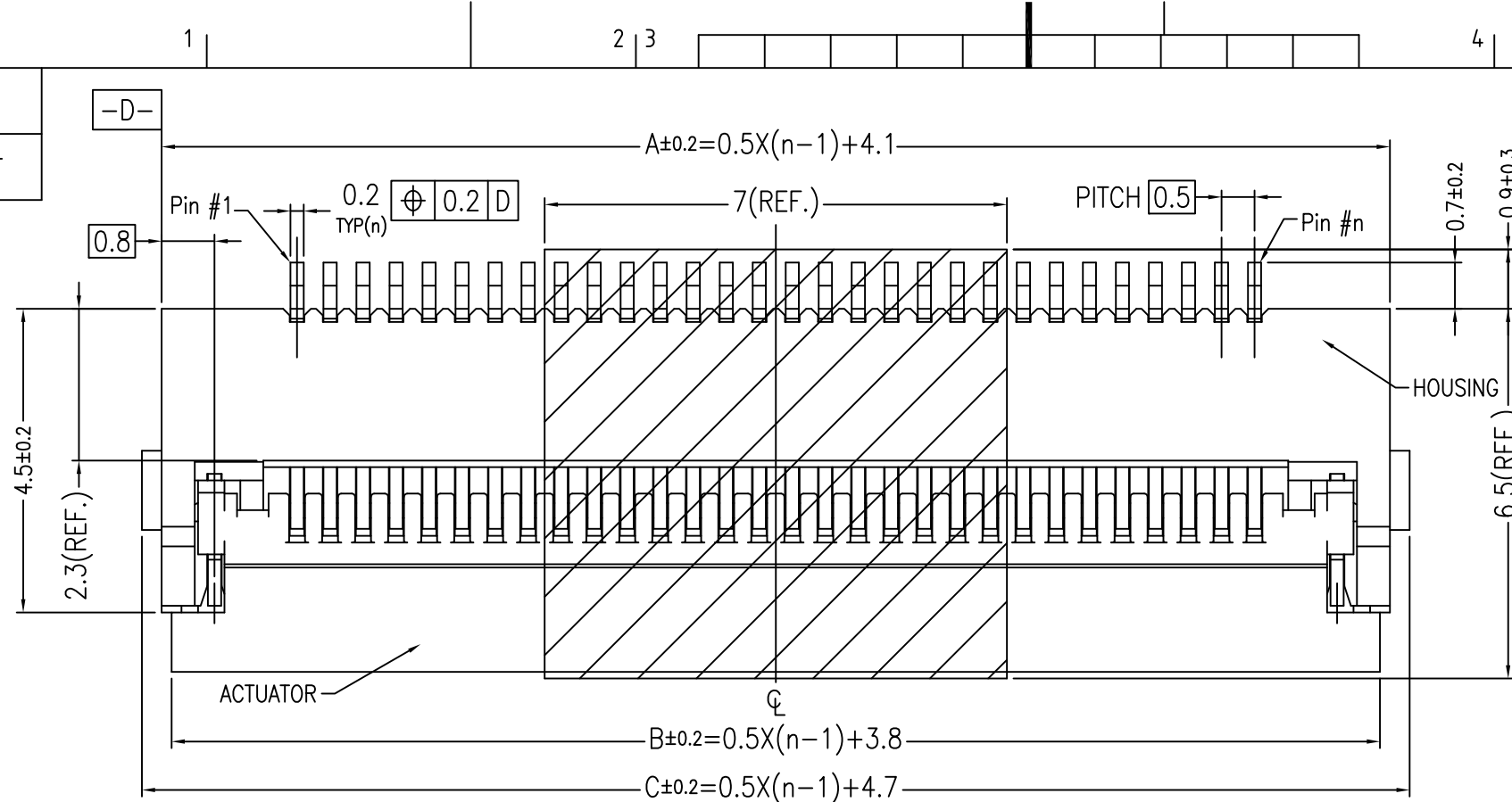
NOTE
 1. MATERIAL
 1) HOUSING: THERMOPLASTIC RESIN, UL94V-0, NATURAL
 2) ACTUATOR: THERMOPLASTIC RESIN, UL94V-0, BROWN
 3) CONTACT: COPPER ALLOY (t=0.20)
 4) FIXING TAB: COPPER ALLOY (t=0.20)
 2. FINISH
 1) CONTACT: ALL OVER Ni, Au FLASH.
 2) FIXING TAB: ALL OVER Ni, Sn PLATING 1.5~3.5μm
 3. CO-PLANARITY: 0.1 MAX.
 5. RoHS
 THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

注記
 1. 材料
 1) ハウジング: 耐熱性樹脂, UL94V-0, ナチュラル
 2) アクチュエータ: 耐熱性樹脂, UL94V-0, ブラウン(茶色)
 3) 端子: 銅合金 (t=0.20)
 4) 固定金具: 銅合金 (t=0.20)
 2. めっき
 1) 端子: Ni下地付き, Auフラッシュ
 2) 固定金具: Ni下地付き, 錫めっき 1.5~3.5μm
 3. コプラナリティ: 0.1 MAX.
 5. RoHS
 本製品は、GS-22-008に記載されたヨーロッパ連合指令と他国の規制に適合しています。

mat'l. code		surface		tolerance		projection		product family		CODE	
---		ISO 1302		ISO 406 ISO 1101		MM		59KF FLEX 0.5		JP	
ltr	description	ecn no	dr	date	tolerances unless otherwise specified		MM		title		
H	ONLY REV. UP	ELXJ-019682	Y.K	2014-12-09	angles	0.X ±0.2	MM		ASSEMBLY		
J	ONLY REV. UP	ELXJ-019892	Y.K	2015-01-06	linear	0.XX ±0.2	MM		0.5mm PITCH CONNECTOR FOR FPC VHC Series		
					0° ±2°	0.XXX ±0.2	scale 10:1		dwg no		
					dr	Y.KAMEDA	2015-01-06		sheet 2 of 8 size		
					enr	Y.KAMEDA	2015-01-06		10085901 A3		
F	ONLY REV. UP	ELXJ-010325	Y.K	2012-2-20	chr	LAI, TIAN-POH	2015-01-06		type		
G	ONLY REV. UP	ELXJ-016518	Y.K	2013-12-12	appd	N.SASAME	2015-01-06		Product-Customer Drw		
sheet index	revision sheet										Rev. J

PRODUCT NO.

10085901-7021LF



NOTE

1. MATERIAL

- 1) HOUSING: THERMOPLASTIC RESIN, UL94V-0, NATURAL
- 2) ACTUATOR: THERMOPLASTIC RESIN, UL94V-0, BROWN
- 3) CONTACT: COPPER ALLOY (t=0.20)
- 4) FIXING TAB: COPPER ALLOY (t=0.20)
- 5) COVER TAPE: POLYIMIDE TAPE (t=0.075)

2. FINISH

- 1) CONTACT: ALL OVER Ni, Au FLASH.
- 2) FIXING TAB: ALL OVER Ni, Sn PLATING 1.5~3.5μm

3. CO-PLANARITY: 0.1 MAX.

5. RoHS

THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

注記

1. 材料

- 1) ハウジング: 耐熱性樹脂, UL94V-0, ナチュラル
- 2) アクチュエータ: 耐熱性樹脂, UL94V-0, ナチュラル (茶色)
- 3) 端子: 銅合金 (t=0.20)
- 4) 固定金具: 銅合金 (t=0.20)
- 5) 吸着テープ: ポリイミドテープ (t=0.075)

2. めっき

- 1) 端子: Ni下地付き, Auフラッシュ
- 2) 固定金具: Ni下地付き, 錫めっき 1.5~3.5μm

3. コプラナリティ: 0.1 MAX.

5. RoHS

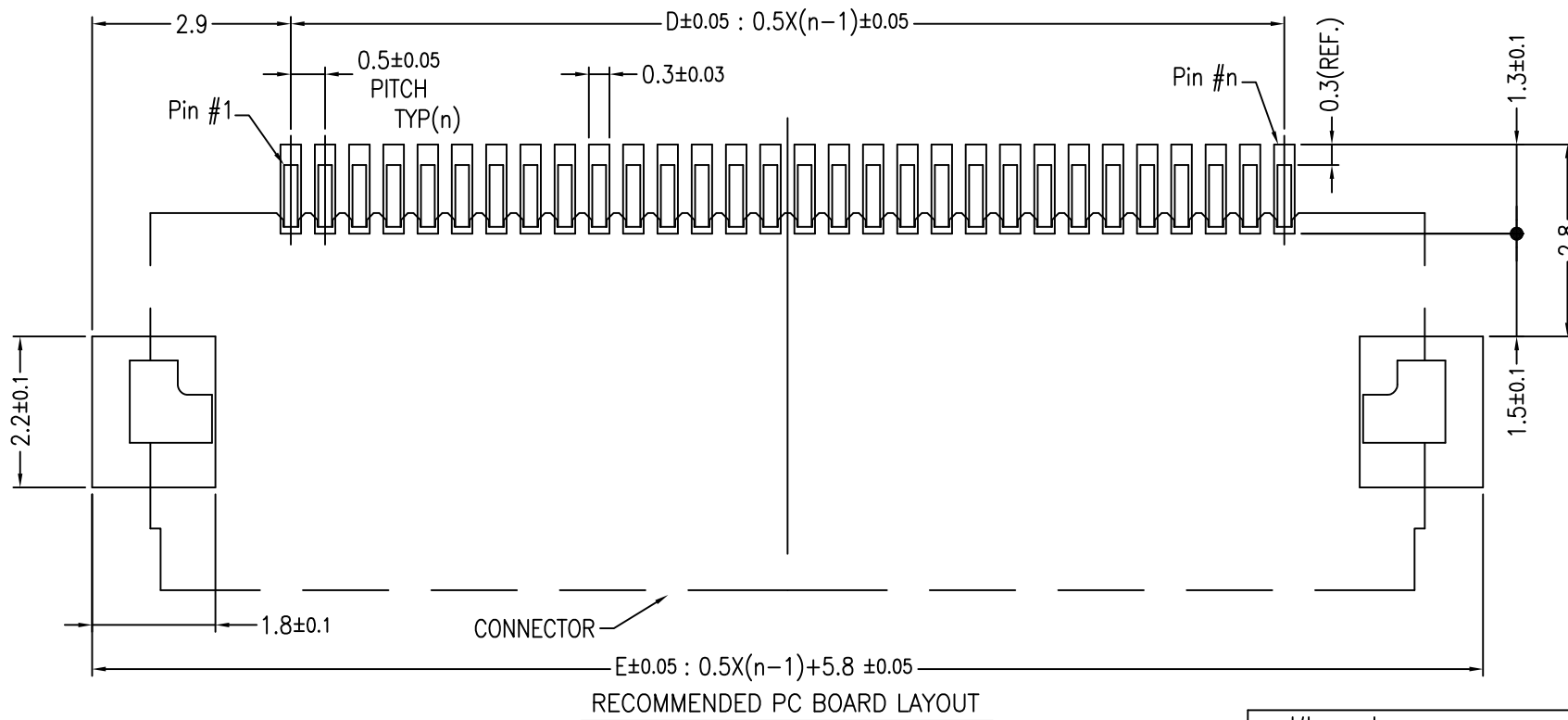
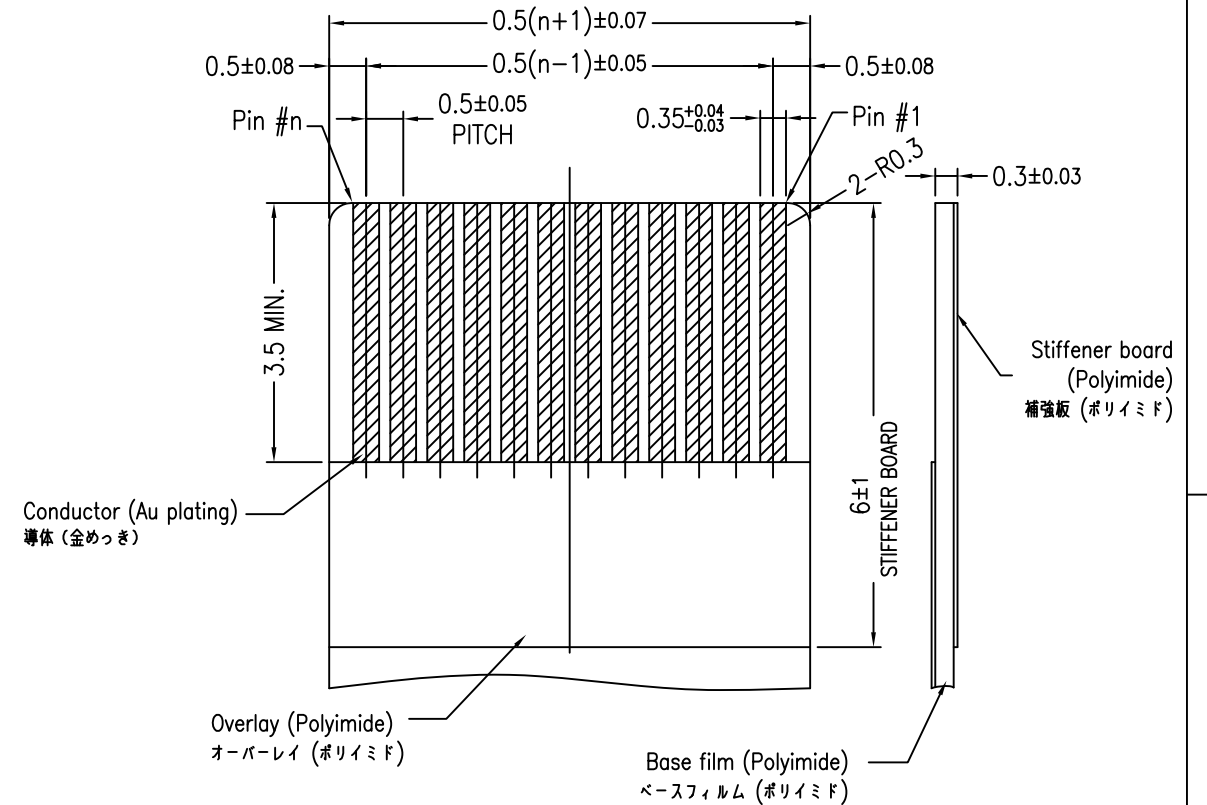
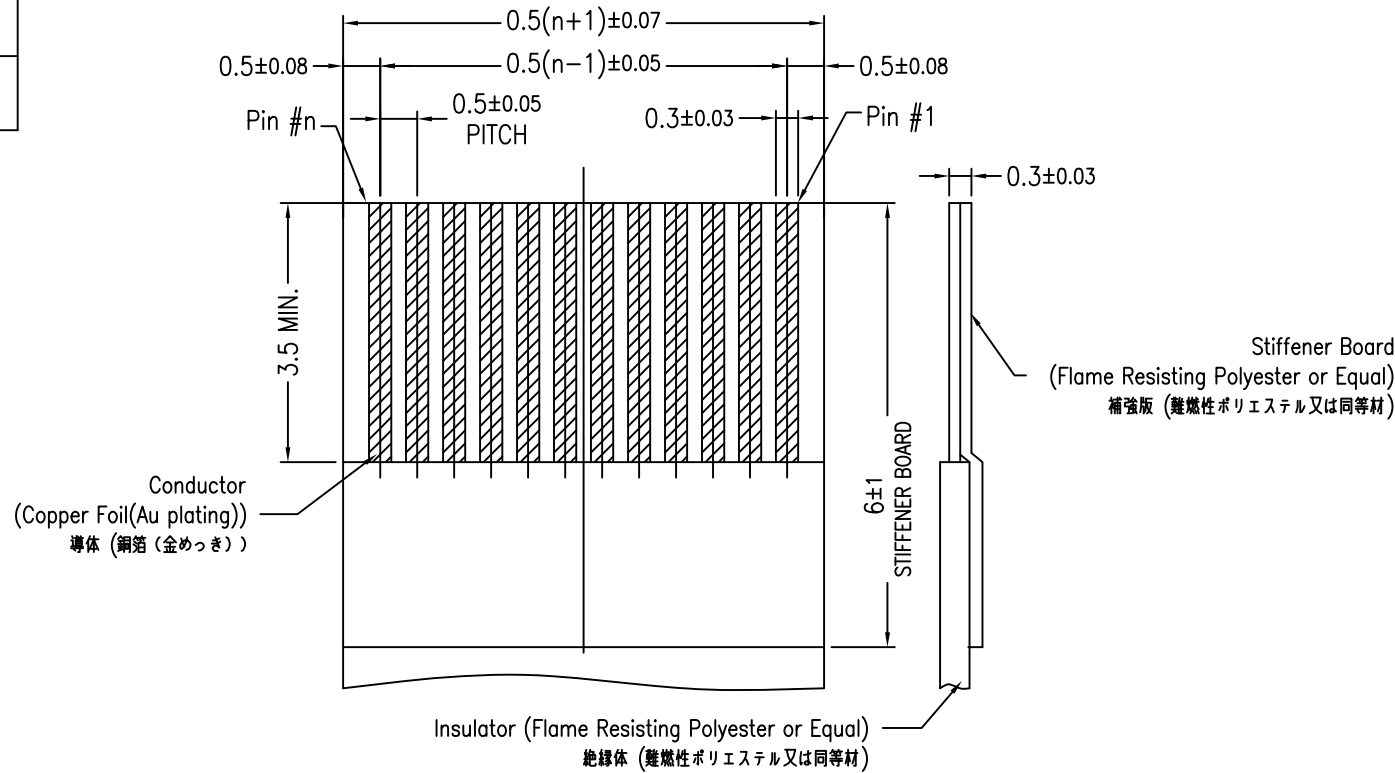
本製品は、GS-22-008に記載されたヨーロッパ連合指令と他国の規制に適合しています。

10085901-7021LF	38.6	38.3	39.2	34.5	40.3
P/N	A	B	C	D	E

mat'l. code	surface	tolerance	projection	product family	CODE
---	ISO 1302	ISO 406 ISO 1101	MM	59KF FLEX 0.5	JP
ltr	description	ecn no	dr	date	tolerances unless otherwise specified
H	ONLY REV. UP	ELXJ-019682	Y.K	2014-12-09	0.X ±0.2
J	ONLY REV. UP	ELXJ-019892	Y.K	2015-01-06	0.XX ±0.2
					0.XXX ±0.2
			dr	Y.KAMEDA	2015-01-06
			enr	Y.KAMEDA	2015-01-06
F	REVISED	ELXJ-010325	Y.K	2012-2-20	chr LAI, TIAN-POH
G	ONLY REV. UP	ELXJ-016518	Y.K	2013-12-16	appd N.SASAME
sheet index	revision sheet				
					scale 10:1
					title ASSEMBLY
					0.5mm PITCH CONNECTOR FOR FPC VHC Series
					dwg no 10085901
					sheet 3 of 8 size A3
					type Product-Customer Drw
					Rev. J

PRODUCT NO.

10085901-***1*LF



10085901-701HLF	38.6	38.3	39.2	34.5	40.3
10085901-701LF	38.6	38.3	39.2	34.5	40.3
10085901-7021LF	38.6	38.3	39.2	34.5	40.3
10085901-601HLF	33.6	33.3	34.2	29.5	35.3
10085901-601LF	33.6	33.3	34.2	29.5	35.3
10085901-501HLF	28.6	28.3	29.2	24.5	30.3
P/N	A	B	C	D	E

NOTE
 1.THICKNESS OF A METAL MASK: 0.1mm
 2.FPC / FFC
 ADHESIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHESIVE MATERIAL SHALL BE USED.
 3.OTHER SPECIFICATIONS
 PRODUCT SPECIFICATION : GS-12-541
 APPLICATION SPECIFICATION : GS-20-105
 PACKAGING SPECIFICATION : GS-14-1264

注記
 1.メタルマスク厚 : 0.1mm
 2.FPC / FFC
 FPCの補強板接着剤には熱硬化接着剤を使用し、接着方式は熱圧着とする。
 3.その他
 製品規格 : GS-12-541
 取り扱い説明書 : GS-20-105
 梱包規格 : GS-14-1264

mat'l. code		surface		tolerance		projection		product family		CODE	
---		ISO 1302		ISO 406		MM		59KF FLEX 0.5		JP	
ltr		description		ecn no		dr		date		title	
J		ONLY REV. UP		ELXJ-019892		Y.K		2015-01-06		ASSEMBLY	
										0.5mm PITCH CONNECTOR FOR FPC	
										VHC Series	
										dwg no	
										sheet 4 of 8	
										size	
										A3	
										type	
										Product-Customer Drw	
sheet index		revision sheet								Rev.	
										J	

PRODUCT NO.

10085901-**11*LF

-D-

$A \pm 0.2 = 0.5X(n-1) + 4.1$

Pin #1

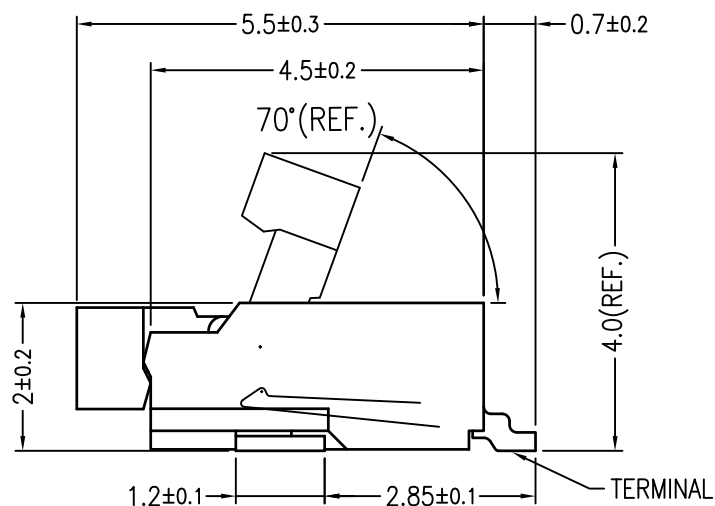
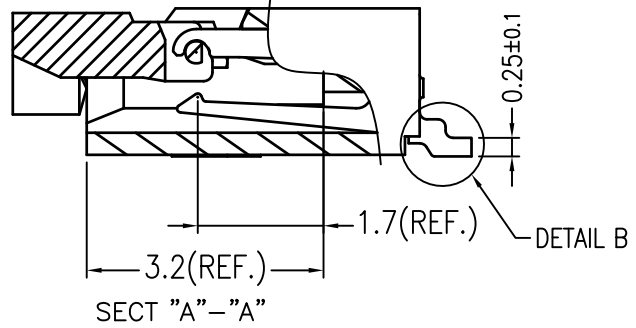
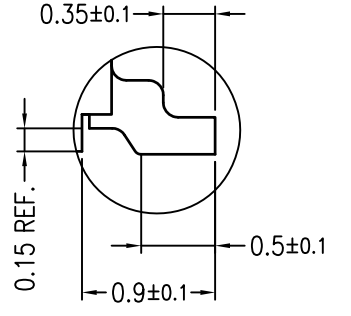
0.2±0.05 TYP(n)

⊕ 0.2 D

PITCH 0.5

Pin #n

0.7±0.2



ACTUATOR

$B \pm 0.2 = 0.5X(n-1) + 3.8$

$C \pm 0.2 = 0.5X(n-1) + 4.7$

"A"

"A"

FIXING TAB

0.5

0.1

PITCH

*THE COPLANARITY OF CONTACT AND FIXING TAB IS 0.1 MAX.
*コンタクトと金具の平坦度は0.1以内

$D = 0.5X(n-1)$

1.25±0.2 TYP(2)

2.35±0.2 TYP(2)

P/N	ACTUATOR COLOR	REMARK
-**11LF	NATURAL (BROWN)	STANDARD
-**11HLF	BLACK	HALOGEN FREE (less than 900ppm)

10085901-7011LF	38.6	38.3	39.2	34.5	40.3
10085901-6011LF	33.6	33.3	34.2	29.5	35.3
10085901-6011HLF	33.6	33.3	34.2	29.5	35.3
10085901-5011LF	28.6	28.3	29.2	24.5	30.3
10085901-5011HLF	28.6	28.3	29.2	24.5	30.3
10085901-3511LF	21.1	20.8	21.7	17.0	22.8
P/N	A	B	C	D	E

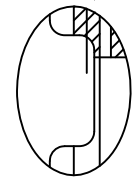
NOTE
1.MATERIAL
1)HOUSING:THERMOPLASTIC RESIN,UL94V-0, NATURAL
2)ACTUATOR:THERMOPLASTIC RESIN,UL94V-0, BROWN
3)CONTACT:COPPER ALLOY (t=0.20)
4)FIXING TAB: COPPER ALLOY (t=0.20)
2.FINISH
1)CONTACT: ALL OVER Ni,Au FLASH.
2)FIXING TAB: ALL OVER Ni , Sn PLATING 1.5~3.5μm
3.CO-PLANARITY: 0.1 MAX.
5.RoHS
THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONSAS DESCRIBED IN GS-22-008

mat'l. code		surface		tolerance		projection		product family		CODE	
---		ISO 1302		ISO 406		MM		59KF FLEX 0.5		JP	
ltr		description		ecn no		dr		date		tolerances unless otherwise specified	
J		Only rev. up		ELXJ-019892		Y.K		2015-01-06		0.X ±0.2	
										0.XX ±0.2	
										0.XXX ±0.2	
										scale 10:1	
										title	
										ASSEMBLY	
										0.5mm PITCH CONNECTOR FOR FPC VHC Series	
										dwg no	
										sheet 5 of 8 size	
										10085901 A3	
										type	
										Product-Customer Drw	
sheet index		revision sheet								Rev. J	

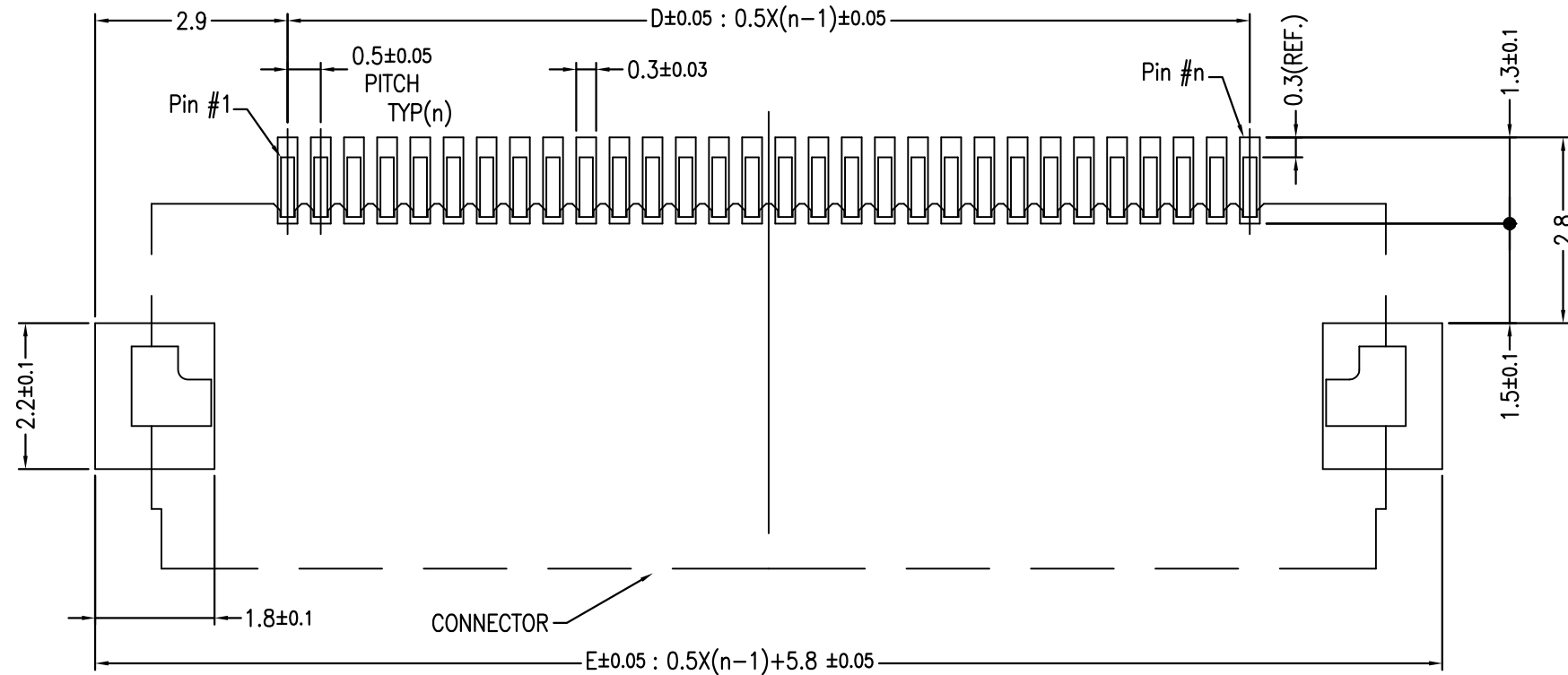
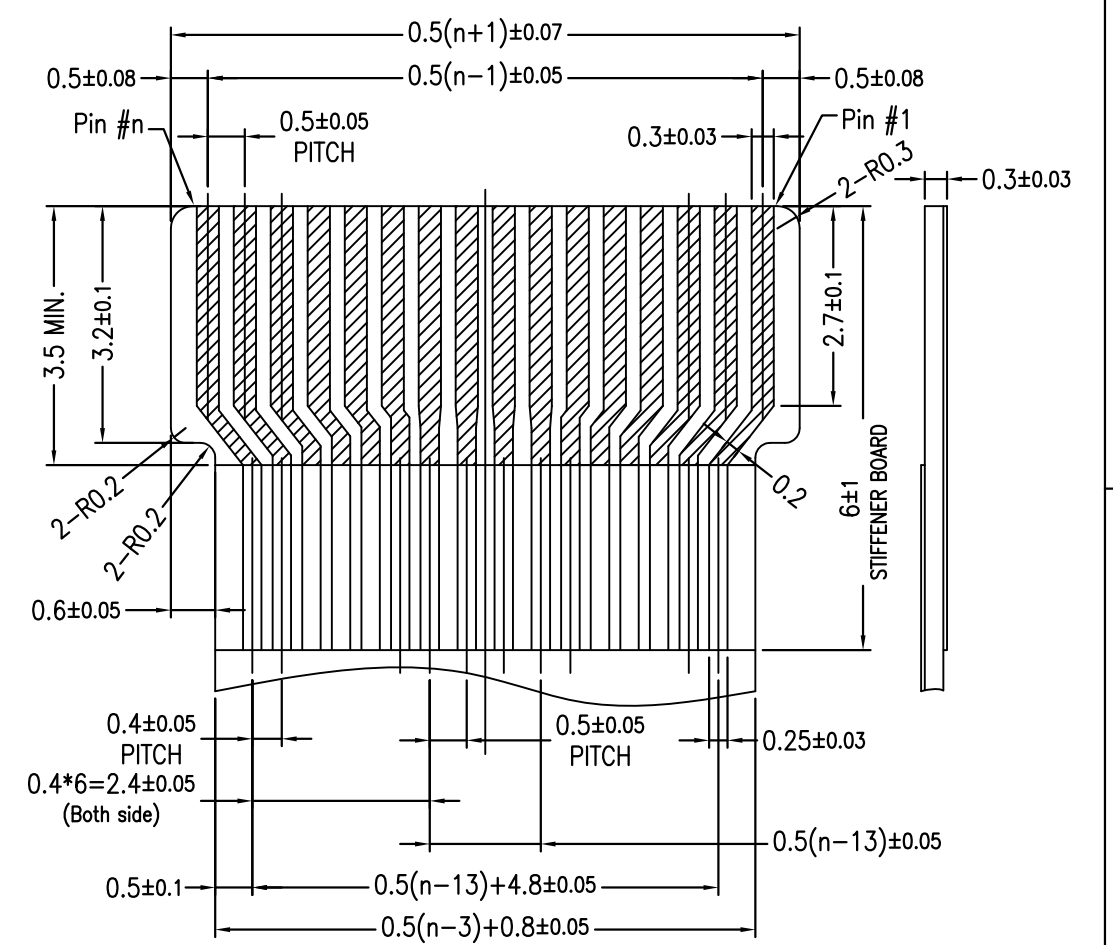
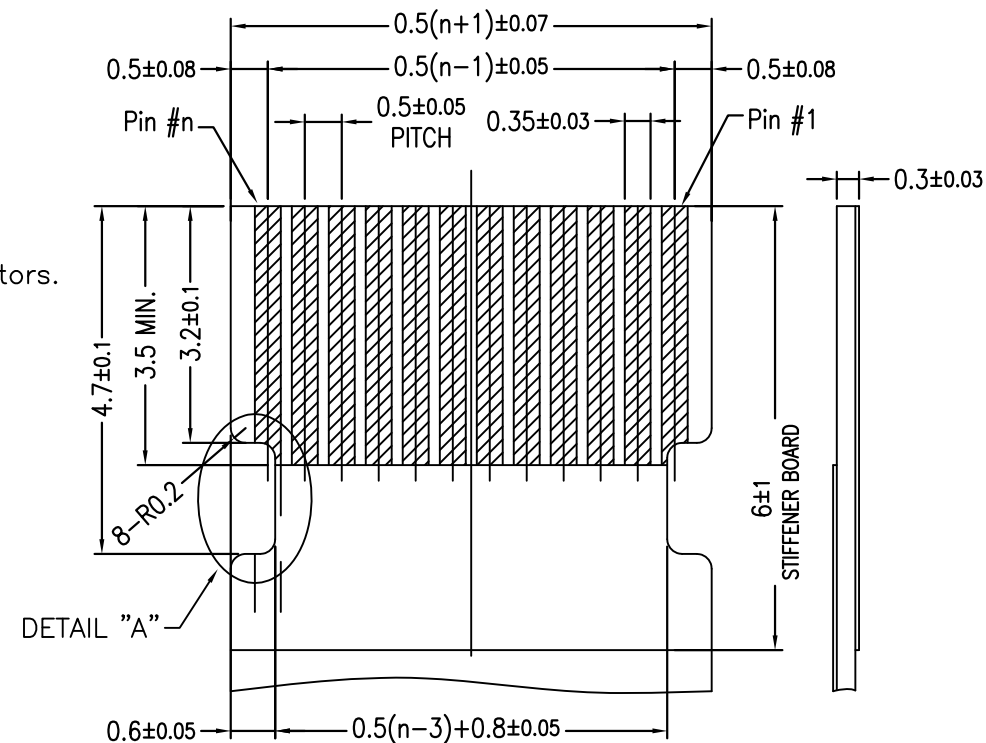
PRODUCT NO.

10085901-**11*LF

Cut through both sides conductors.



DETAIL "A"



NOTE

- THICKNESS OF A METAL MASK: 0.1mm
- FPC / FFC
ADHESIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHESIVE MATERIAL SHALL BE USED.
- ACCORDING TO THE KIND OF CABLE TO BE USED, SINCE OUTSIDE TWO CONDUCTORS CANNOT BE USED, THE LINE OF SIGNAL DECREASES.

注記

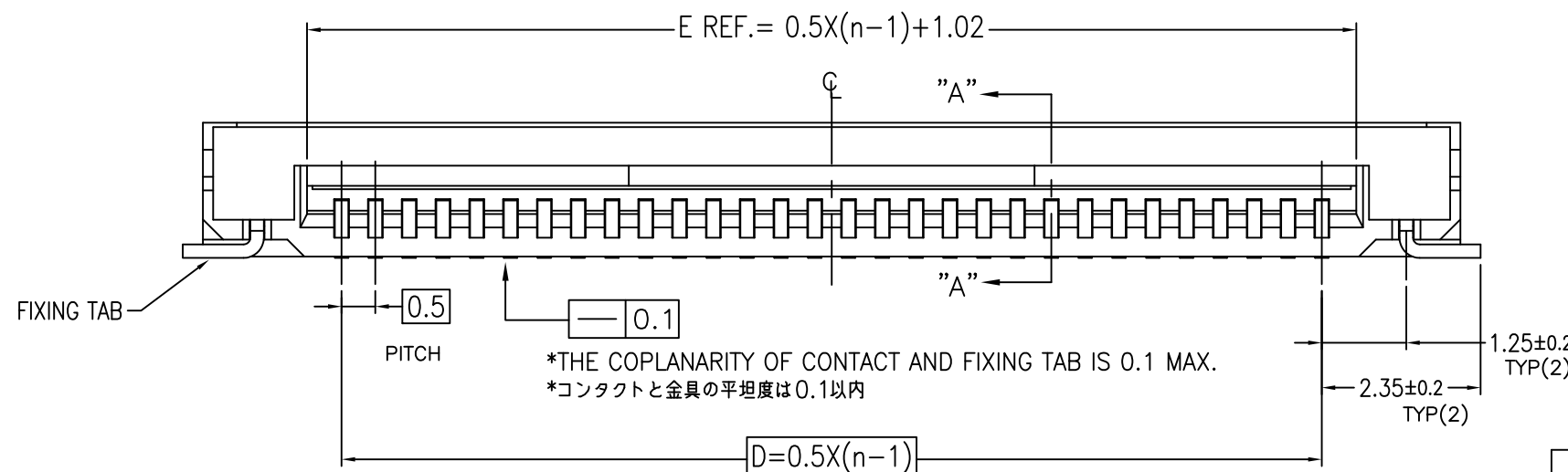
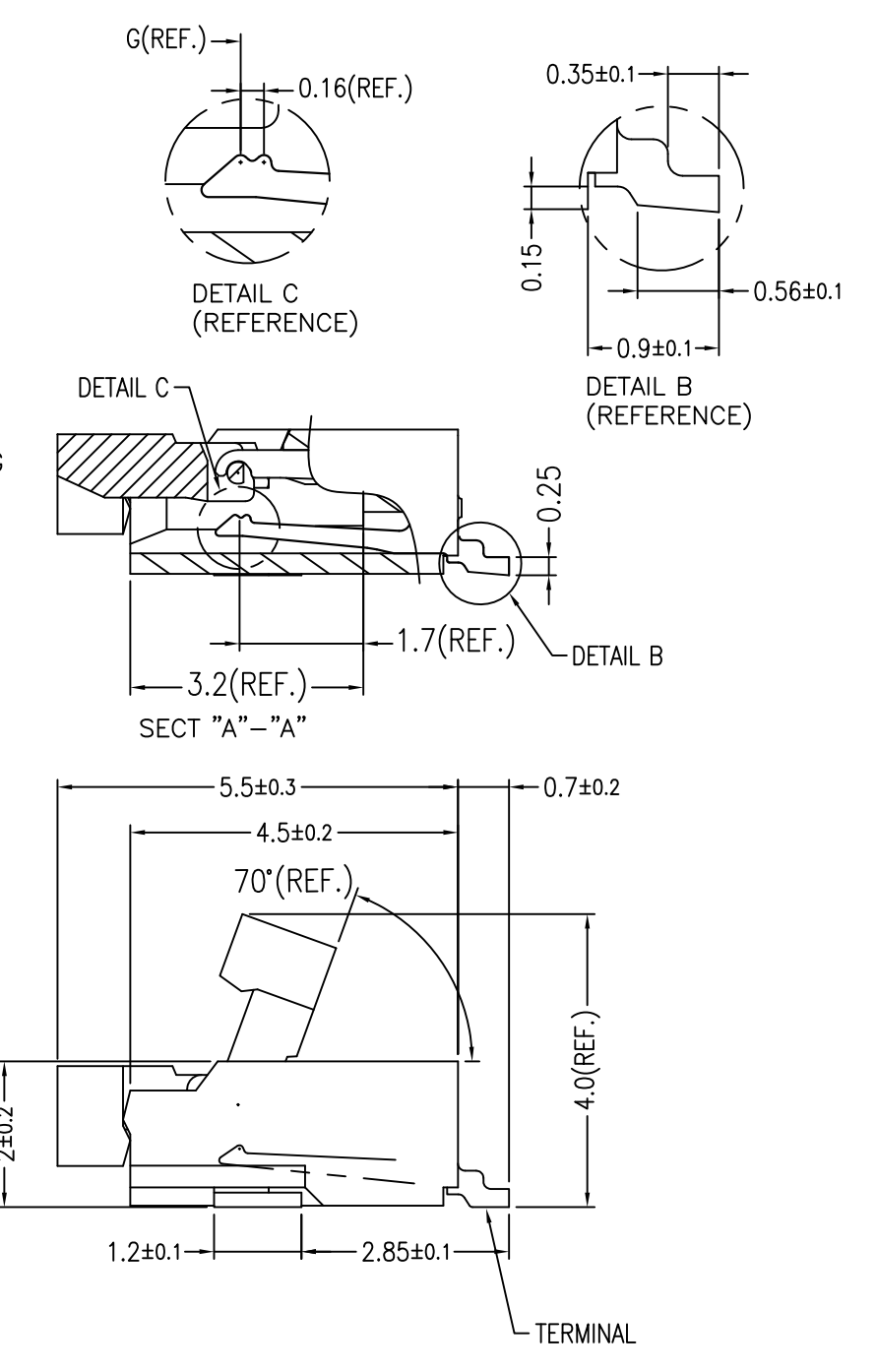
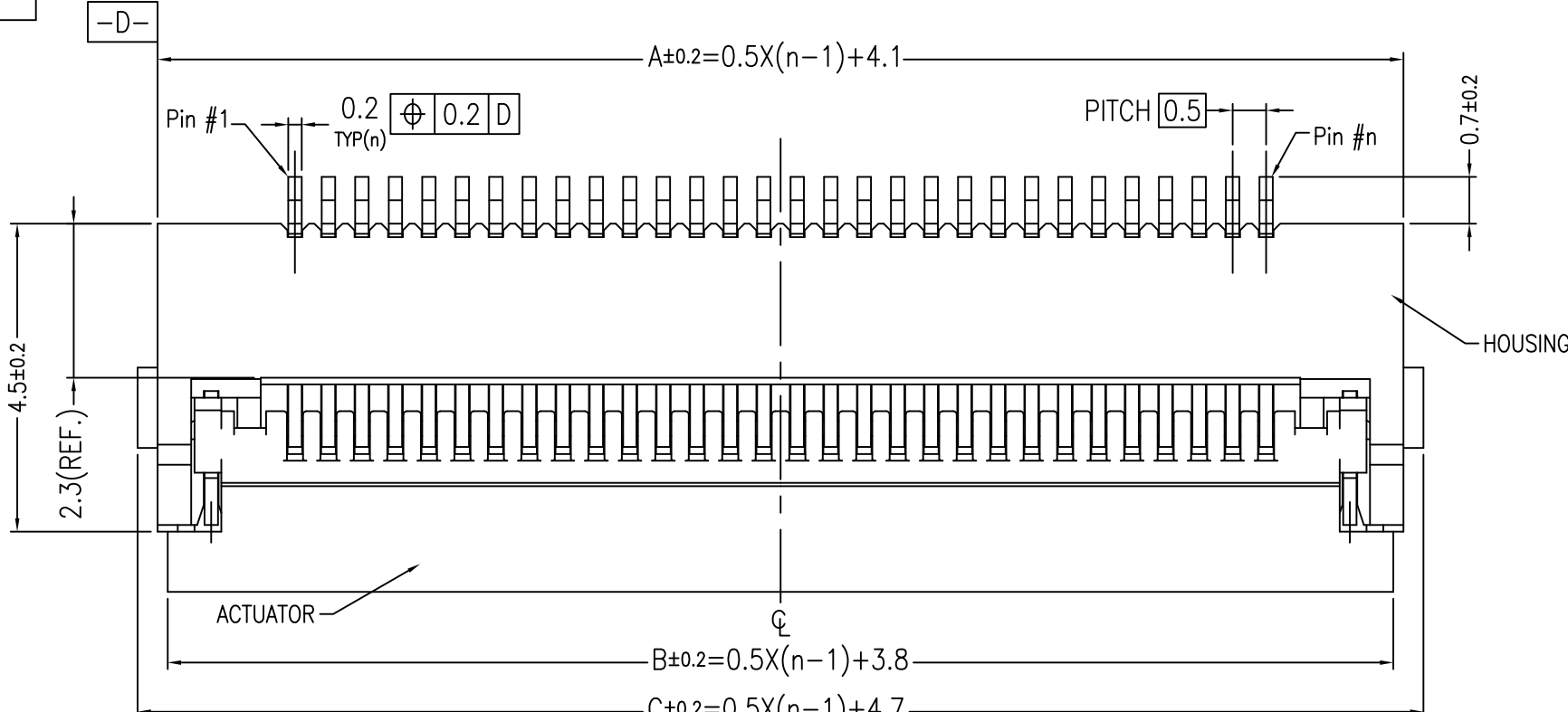
- メタルマスク厚 : 0.1mm
- FPC / FFC
FPCの補強板接着剤には熱硬化接着剤を使用し、接着方式は熱圧着とする。
- 使用するケーブルの種類によっては、外側の2つの導体が使用不可能になるため信号ラインが減少します。

10085901-7011LF	38.6	38.3	39.2	34.5	40.3
10085901-6011LF	33.6	33.3	34.2	29.5	35.3
10085901-6011HLF	33.6	33.3	34.2	29.5	35.3
10085901-5011LF	28.6	28.3	29.2	24.5	30.3
10085901-5011HLF	28.6	28.3	29.2	24.5	30.3
10085901-3511LF	21.1	20.8	21.7	17.0	22.8
P/N	A	B	C	D	E

mat'l. code		surface		tolerance		projection		product family		CODE	
---		ISO 1302		ISO 406		MM		59KF FLEX 0.5		JP	
ltr		description		ecn no		dr		date		tolerances unless otherwise specified	
J		Only rev. up		ELXJ-019892		Y.K		2015-01-06		angles	
										linear	
										0°±2'	
										0.X ±0.2	
										0.XX ±0.2	
										0.XXX ±0.2	
										scale 10:1	
										FCJ	
F		REVISED		ELXJ-010325		Y.K		2012-2-20		engr	
G		Only rev. up		ELXJ-016518		Y.K		2013-12-18		chr	
H		ADD NEW P/N		ELXJ-019682		Y.K		2014-12-09		appd	
sheet index		revision sheet								dr	
										Y.KAMEDA	
										2015-01-06	
										Y.KAMEDA	
										2015-01-06	
										LAI,TIAN-POH	
										2015-01-06	
										N.SASAME	
										2015-01-06	
										sheet 6 of 8	
										size	
										A3	
										Rev.	
										J	

PRODUCT NO.

10085901-**-DHLF



NOTE

- MATERIAL
 - HOUSING: THERMOPLASTIC RESIN, UL94V-0, NATURAL
 - ACTUATOR: THERMOPLASTIC RESIN, UL94V-0, BLACK
 - CONTACT: COPPER ALLOY (t=0.20)
 - FIXING TAB: COPPER ALLOY (t=0.20)
- FINISH
 - CONTACT: ALL OVER Ni, Au FLASH.
 - FIXING TAB: ALL OVER Ni, Sn PLATING 1.5~3.5μm
- CO-PLANARITY: 0.1 MAX.
- RoHS
THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- HALOGEN FREE
Cl: Less than 900ppm
Br: Less than 900ppm
Cl + Br: Less than 1500ppm

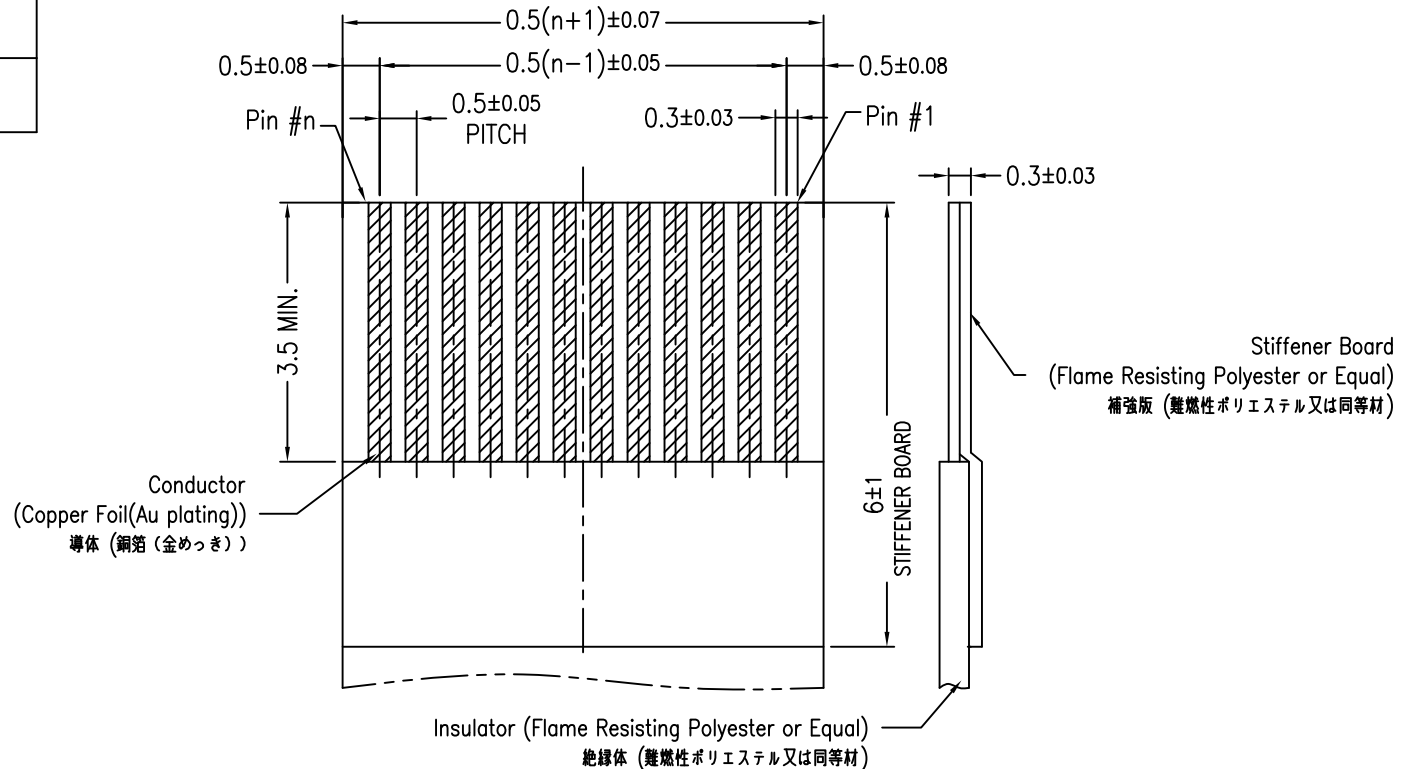
注記

- 材料
 - ハウジング: 耐熱性樹脂, UL94V-0, ナチュラル
 - アクチュエータ: 耐熱性樹脂, UL94V-0, 黒色
 - 端子: 銅合金 (t=0.20)
 - 固定金具: 銅合金 (t=0.20)
- めっき
 - 端子: Ni下地付き, Auフラッシュ
 - 固定金具: Ni下地付き, 錫めっき 1.5~3.5μm
- コプラナリティ: 0.1 MAX.
- RoHS
本製品は、GS-22-008に記載されたヨーロッパ連合指令と他国の規制に適合しています。
- ハロゲンフリー
本製品は、塩素含有量900ppm以下、臭素含有量900ppm以下、塩素+臭素含有量の総量1500ppm以下を含んでおります。

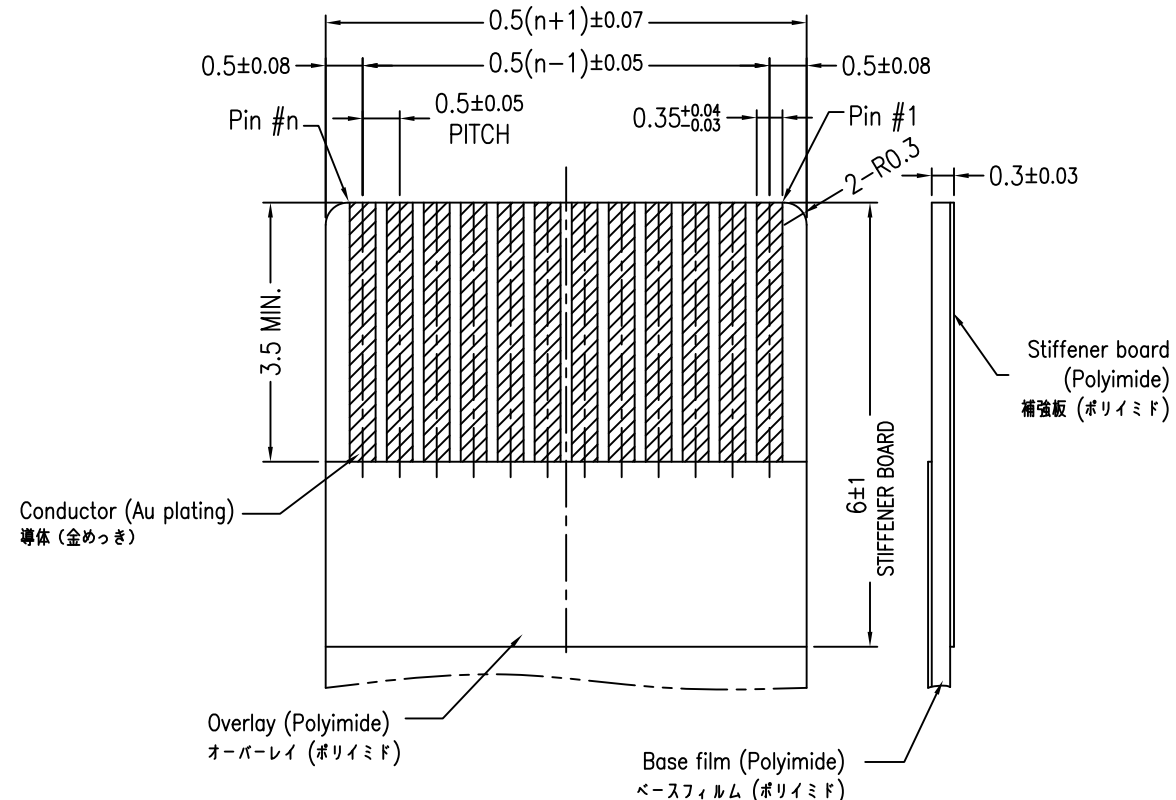
mat'l. code		surface		tolerance		projection		product family		CODE	
---		ISO 1302		ISO 406		MM		59KF FLEX 0.5		JP	
ltr		description		ecn no		dr		date		title	
F		RELEASED		ELXJ-010325		Y.K		2012-2-20		ASSEMBLY	
G		Only rev. up		ELXJ-016518		Y.K		2013-12-16		0.5mm PITCH CONNECTOR FOR FPC	
H		Only rev. up		ELXJ-019682		Y.K		2014-12-09		VHC Series	
J		Only rev. up		ELXJ-019892		Y.K		2015-01-06		dwg no	
						engr		Y.KAMEDA		sheet 7 of 8	
						chr		LAI, TIAN-POH		size	
						appd		N.SASAME		A3	
sheet index		revision sheet								type	
										Product-Customer Drw	
										Rev.	
										J	

PRODUCT NO.

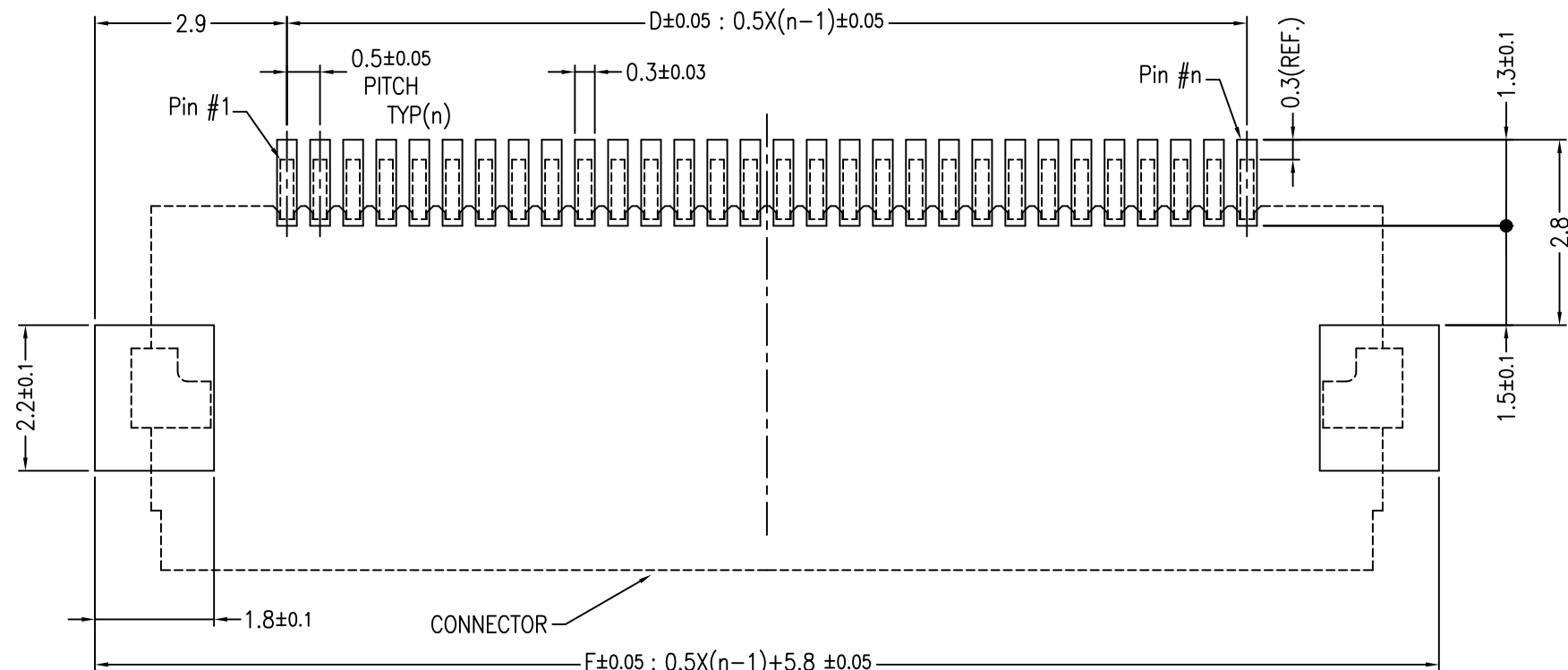
10085901-**DHLF



RECOMMENDED FFC CONFIGURATION



RECOMMENDED FPC CONFIGURATION



RECOMMENDED PC BOARD LAYOUT

10085901-50DHLF	28.6	28.3	29.2	24.5	25.52	30.3
P/N	A	B	C	D	E	F

NOTE
 1.THICKNESS OF A METAL MASK: 0.1mm
 2.FPC / FFC

ADHESIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHESIVE MATERIAL SHALL BE USED.

注記
 1.メタルマスク厚 : 0.1mm
 2.FPC / FFC

FPCの補強版接着剤には熱硬化接着剤を使用し、接着方式は熱圧着とする。

mat'l. code		surface		tolerance		projection		product family		CODE		
---		ISO 1302		ISO 406		MM		59KF FLEX 0.5		JP		
ltr		description		ecn no		dr		date		title		
F	RELEASED	ELXJ-010325	Y.K	2012-2-20	tolerances unless otherwise specified		0.X ±0.2		ASSEMBLY			
G	REVISED	ELXJ-016518	Y.K	2013-12-16	angles		0.XX ±0.2		0.5mm PITCH CONNECTOR FOR FPC VHC Series			
H	Only rev. up	ELXJ-019682	Y.K	2014-12-09	0°±2'		0.XXX ±0.2		scale 10:1			
J	Only rev. up	ELXJ-019892	Y.K	2015-01-06	dr		Y.KAMEDA 2015-01-06		dwg no		sheet 8 of 8 size	
					enr		Y.KAMEDA 2015-01-06		10085901		A3	
					chr		LAI,TIAN-POH 2015-01-06		type		Product-Customer Drw	
					appd		N.SASAME 2015-01-06				Rev. J	
sheet index		revision sheet										