

PRODUCT NO.	⑥ CONNECTOR	DIM J	DIM K
10085305-0010ELF	10085305-0010ALF	56.4	62.4
10085305-0101ELF	10085305-0101PALF	56.4	62.4
10085305-0901ELF	10085305-0901ALF	56.4	62.4
10085305-0110ELF	10085305-0110PALF	56.4	62.4
10085305-0110PELF	10085305-0110PALF	44.4	50.4
10085305-2010ELF	10085305-2010ALF	56.4	62.4
10085305-2110ELF	10085305-2110PALF	56.4	62.4
10085305-2110PELF	10085305-2110PALF	44.4	50.4
10085305-2101ELF	10085305-2101PALF	56.4	62.4
10085305-4100ELF	10085305-4100PALF	56.4	62.4
10085305-4100PELF	10085305-4100PALF	44.4	50.4

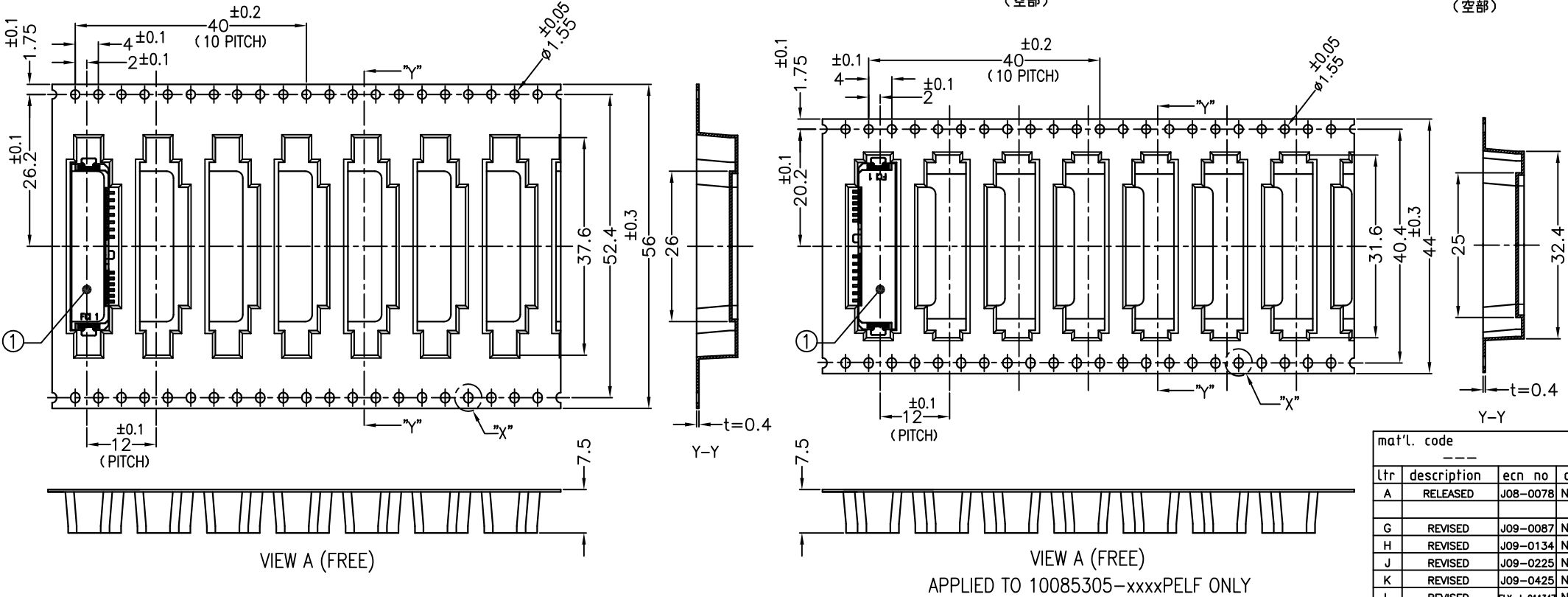
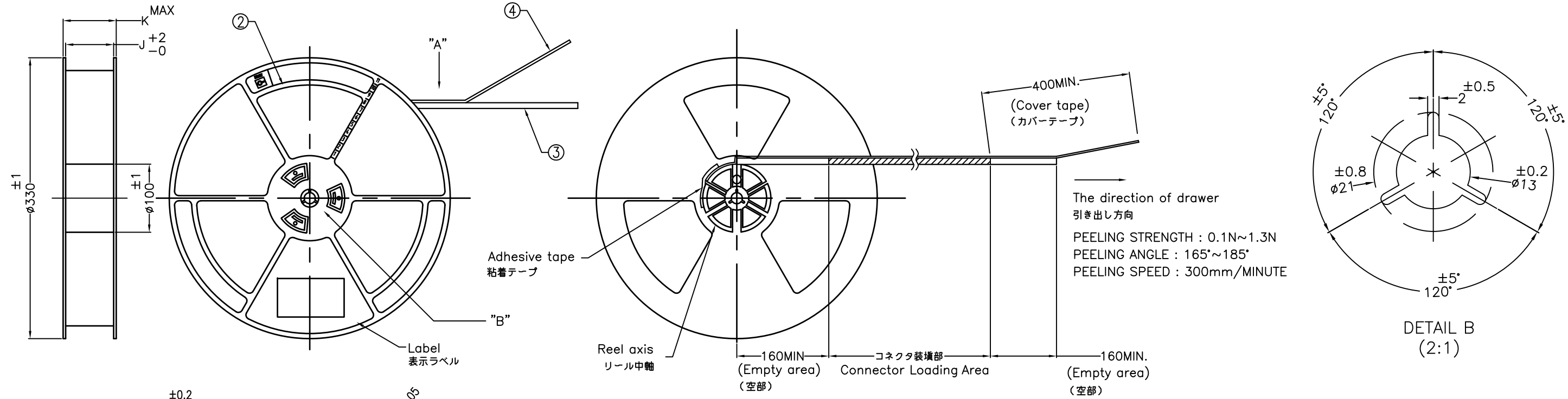
- NOTE
- THIS ARTICLE CARRIES OUT TEH EMBOSS TAPE PACKAGE OF THE SLIM LINE SATA CONNECTOR.
 - THE SHAPE AND DIMENSION OF THIS ARTICLE ARE BASED ON JIS C 0806.
(TAPING OF ELECTRIC PARTS< SURFACE MOUNTED DEVICE)
 - PACKAGING SPEC. : REFER TO GS-14-1268
 - PRODUCT SPEC. : REFER TO GS-12-543

- 注 記
- 本品はスリムラインシリアルエーティーエーコネクタをエンボステープ梱包したものである。
 - 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。
 - 梱包規格はGS-14-1268を参照のこと
 - 製品規格はGS-12-543を参照のこと

EMBOSS PACKAGE

PARTS TABLE 部品表

No.	PART NAME 部品名	MATERIAL 材質	QTY.	NOTE 備考
①	CONNECTOR コネクタ	SEE SHEET 2	600	
②	THE REEL FOR PACKAGING 梱包用リール	POLYSTYRENE ポリスチレン	1	Color : BLACK or BLUE ELECTRIFICATION PREVENTION PROCESSING 色 : 黒または青、 帯電防止処理品
③	EMBOSS TAPE エンボステープ	PET	1	ELECTRIFICATION PREVENTION PROCESSING 帯電防止処理品
④	COVER TAPE カバーテープ	POLYESTER ポリエステル	1	



mat'l. code	---	surface	ISO 1302	tolerance	ISO 406	projection	product family	CODE
ltr	description	ecn no	dr	date	tolerances unless otherwise specified	mm	530F SATA PLUG SLIM LINE	JP
A	RELEASED	J08-0078	N.S	2008-2-28	Linear	0.X ± 0.2	SLIM LINE SATA 7+6P PLUG	
G	REVISED	J09-0087	N.S	2009-3-6	Linear	0.XX ± 0.2	STANDARD, R/A SMT	
H	REVISED	J09-0134	N.S	2009-4-13	Linear	0.XXX ± 0.2	scale 1:3	
J	REVISED	J09-0225	N.S	2009-6-10	engr		dwg no	sheet 1 of 4 size
K	REVISED	J09-0425	N.S	2010-1-27	chr		10085305	A2
L	REVISED	ELX-J-011347	N.S	2012-04-19	appd		type	PRODUCT CUSTOMER Drawing
sheet	revision	L	L	L	L		Rev.	L
index	sheet	1	2	3	4			

CONNECTOR ASSY

PARTS TABLE 部品表

No.	Part name 部品名	QTY.	Note 備考
⑤	HOUSING ハウジング	1	HIGH TEMP THERMOPLASTIC COLOR : BLACK , UL94V-0
⑥	SIGNAL CONTACT シグナルコンタクト	7	COPPER ALLOY CONTACT AREA : Au SOLDERING AREA : Au or TIN
⑦	POWER CONTACT パワーコンタクト	6	COPPER ALLOY CONTACT AREA : Au SOLDERING AREA : Au or TIN
⑧	SOLDER PEG (CENTER) 補強金具 (中央部)	1	COPPER ALLOY TIN PLATING
⑨	SOLDER PEG (L&R) 補強金具 (左、右)	2	COPPER ALLOY TIN PLATING

<P/N composition> <P/N 構成>

10085305 - X X X X X LF

- LEAD-FREE
- PACKAGE SPEC
- E : 56mm WIDTH TAPE AND REEL (EMBOSS ASSY)
- PE : 44mm WIDTH TAPE AND REEL (EMBOSS ASSY)
- T : TRAY (TRAY ASSY)
- A : CONNECTOR ASSY (NOT PACKAGE)
- CONTACT TAIL LENGTH (DIM C)
- 0 : 1.0mm
- 1 : 0.7mm
- SIGNAL CONTACT TAIL WIDTH (DIM B)
- 0 : 0.35mm
- 1 : 0.40mm
- HSG BOSS LENGTH (DIM A)
- 0 : 1.0mm
- 1 : 0.7mm
- 9 : 0mm (WITHOUT BOSS)
- CONTACT PLATING (CONTACT AREA / SOLDERING AREA)
- 0 : GOLD FLASH (0.05 μ m) / TIN PLATING
- 1 : 0.38 μ m GOLD PLATING / TIN PLATING
- 2 : 0.76 μ m GOLD PLATING / TIN PLATING
- 3 : GOLD FLASH (0.05 μ m) / GOLD FLASH (0.05 μ m)
- 4 : 0.76 μ m GOLD PLATING / GOLD FLASH (0.05 μ m)

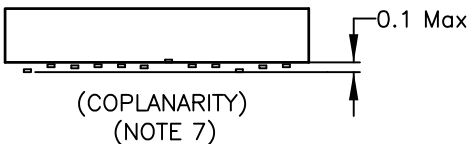
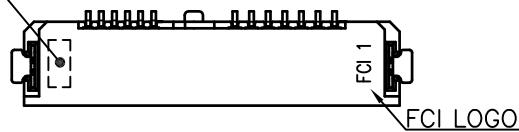
NOTE

- MATERIAL : SEE TABLE
- FINISH : SEE TABLE AND P/N COMPOSITION TABLE
- COPLANARITY : 0.1 MAX. (CONTACT AND SOLDER PEG)
- DATE CODE MARK : YY/MM/DD/XX XX IS USED TO MARK CONTACT PLATING SPEC.
"05" : FLASH, "15" : 15 μ , "30" : 30 μ

注記

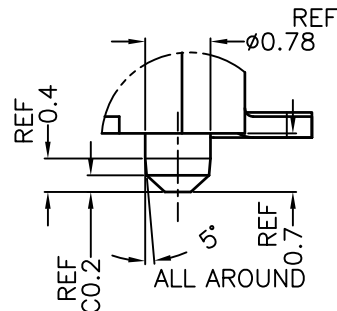
- 材料 : 表参照
- めっき : 表及び型番構成参照
- コプラナリティ : 0.1以下 (端子、金具)
- データコード刻印 : YY/MM/DD/XX XXはコンタクトのめっきの種類
"05" : FLASH, "15" : 15 μ , "30" : 30 μ

DATE CODE
(NOTE8)



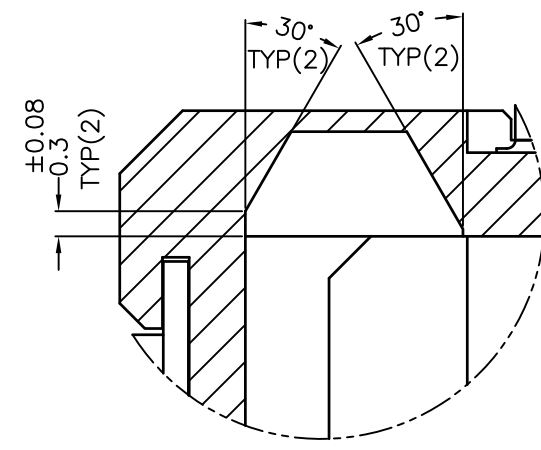
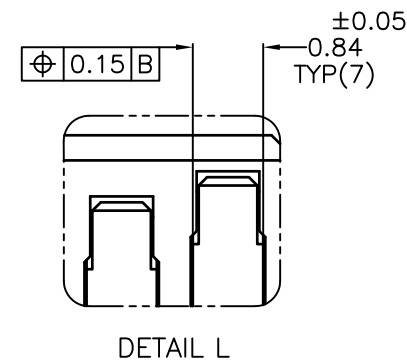
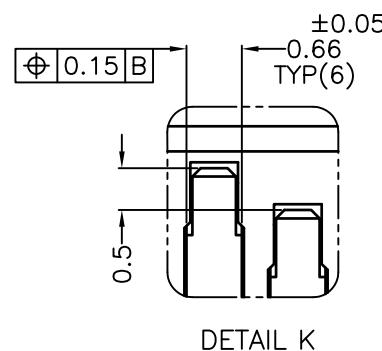
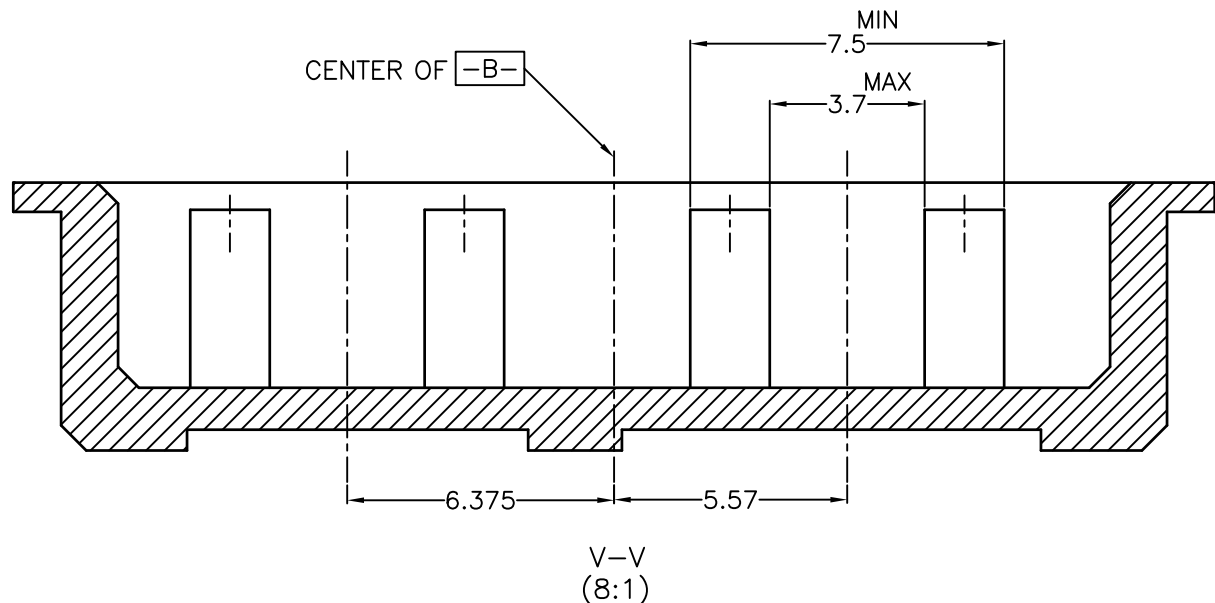
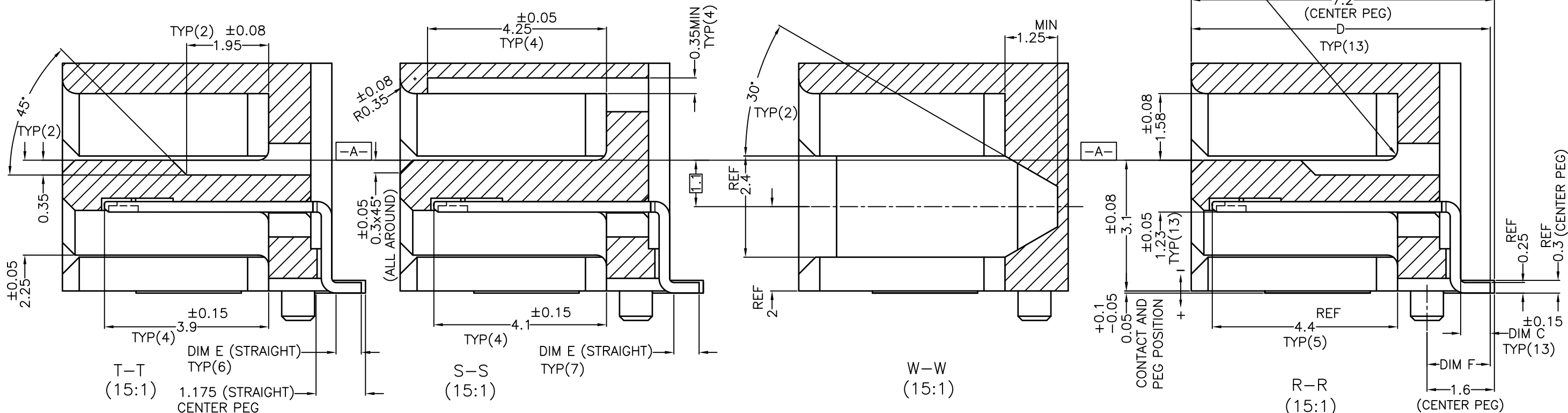
mat'l. code ---				surface ISO 1302	tolerance ISO 406 ISO 1101	projection mm	product family 530F SATA PLUG SLIM LINE	CODE JP
ltr	description	ecn no	dr	date	tolerances unless otherwise specified	mm	SLIM LINE SATA 7+6P PLUG STANDARD, R/A SMT	
A	RELEASED	J08-0078	N.S	2008-2-28	angles	Linear 0.X $\pm$ 0.2 0.XX $\pm$ 0.2 0.XXX $\pm$ 0.2	scale 8:1	
G	REVISED	J09-0087	N.S	2009-3-6	$\pm$ 2'			
H	REVISED	J09-0134	N.S	2009-4-13	dr	N.SASAME	2012-04-19	
J	REVISED	J09-0225	N.S	2009-6-10	engr	N.SASAME	2012-04-19	
K	REVISED	J09-0425	N.S	2010-1-27	chr	AP.LIM	2012-04-19	
L	REVISED	ELX-J-011347	N.S	2012-04-19	appd	M.KAJIURA	2012-04-19	
sheet index	revision sheet						FCI	
							dwg no 10085305	sheet 2 of 4 size A2
							type PRODUCT CUSTOMER	Rev. L

PRODUCT NO.	CONTACT AREA PLATING	SOLDERING AREA PLATING	HSG BOSS HEIGHT (DIM A)	TAIL WIDTH (DIM B)	TAIL LENGTH (DIM C)	TAIL LENGTH (DIM D)	TAIL LENGTH (DIM E)	TAIL LENGTH (DIM F)
10085305-0010ALF	GOLD FLASH 0.05um[2u"] MIN	1.91um [75u"] MIN. 100% TIN	1.0mm	0.4mm	1.0mm	7.4mm	0.9mm	1.8mm
10085305-0101PALF	GOLD FLASH 0.05um[2u"] MIN	1.91um [75u"] MIN. 100% TIN	0.7mm	0.35mm	0.7mm	7.1mm	0.6mm	1.5mm
10085305-0901ALF	GOLD FLASH 0.05um[2u"] MIN	1.91um [75u"] MIN. 100% TIN	----	0.35mm	0.7mm	7.1mm	0.6mm	1.5mm
10085305-0110PALF	GOLD FLASH 0.05um[2u"] MIN	1.91um [75u"] MIN. 100% TIN	0.7mm	0.4mm	1.0mm	7.4mm	0.9mm	1.8mm
10085305-2010ALF	GOLD 0.76um[30u"] MIN	1.91um [75u"] MIN. 100% TIN	1.0mm	0.4mm	1.0mm	7.4mm	0.9mm	1.8mm
10085305-2110PALF	GOLD 0.76um[30u"] MIN	1.91um [75u"] MIN. 100% TIN	0.7mm	0.4mm	1.0mm	7.4mm	0.9mm	1.8mm
10085305-2101PALF	GOLD 0.76um[30u"] MIN	1.91um [75u"] MIN. 100% TIN	0.7mm	0.35mm	0.7mm	7.1mm	0.6mm	1.5mm
10085305-4100PALF	GOLD 0.76um[30u"] MIN	GOLD FLASH 0.05um[2u"] MIN	0.7mm	0.35mm	1.0mm	7.4mm	0.9mm	1.8mm



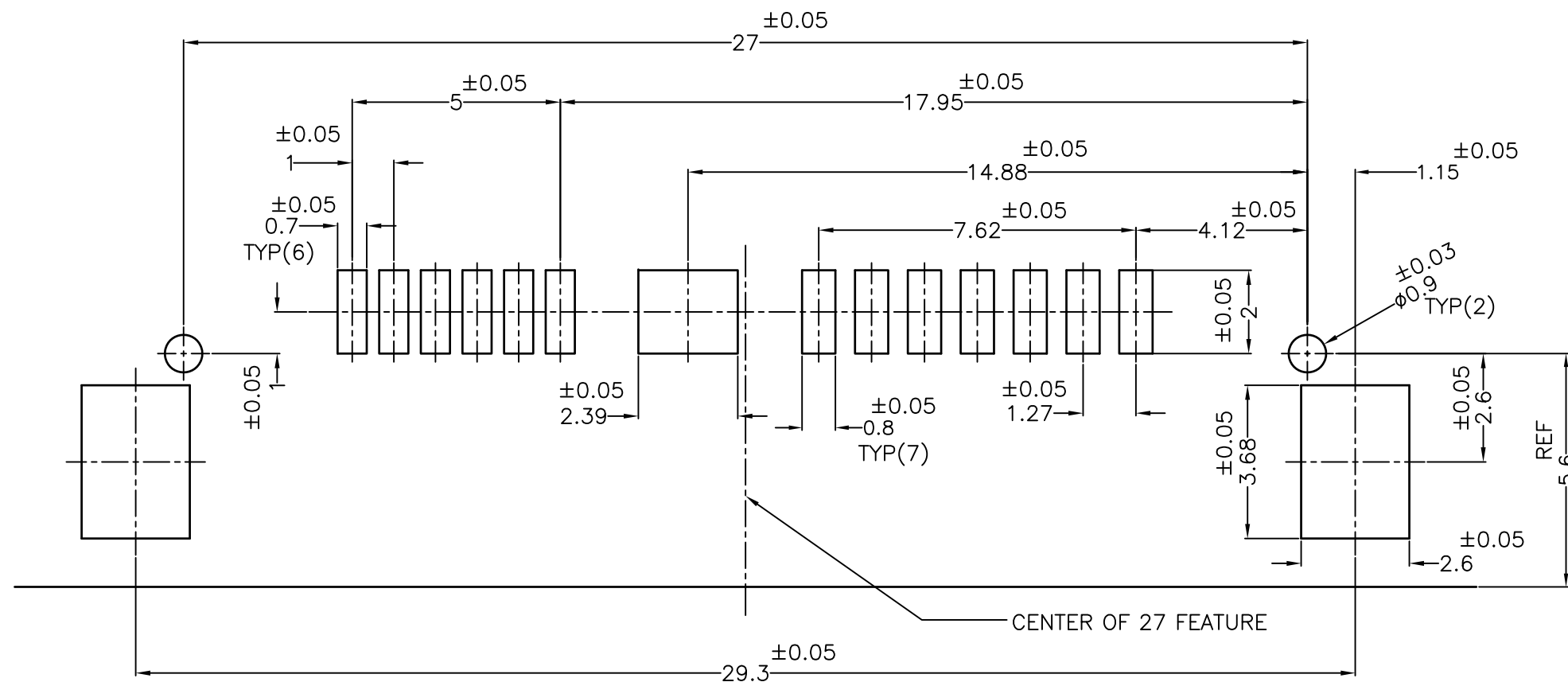
DETAIL R (2 PLACES)
APPLIED TO 10085305-*1**PALF

R0.25±0.08
TOTAL 10 PLC AROUND BASE OF "L"-SHAPED
TONGUES, EXPECT ON SURFACE WITH CONTACTS

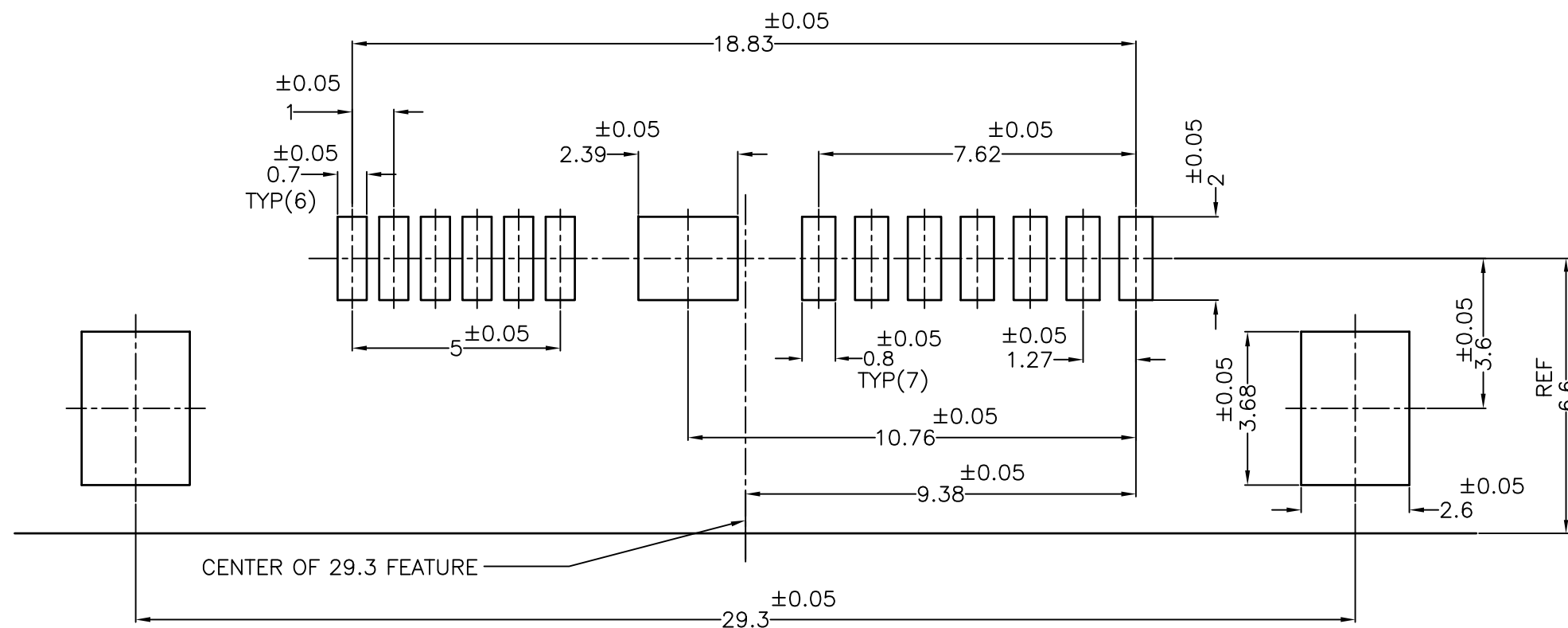


CONNECTOR ASSY

mat'l. code				surface		tolerance	projection	product family	CODE
---				ISO 1302		ISO 406	ISO 1101	530F SATA PLUG SLIM LINE	JP
ltr	description	ecn no	dr	date	tolerances unless otherwise specified	Linear	mm	title	
A	RELEASED	J08-0078	N.S	2008-2-28	angles	0.X	±0.2	SLIM LINE SATA 7+6P PLUG	
G	REVISED	J09-0087	N.S	2009-3-6	±2'	0.XX	±0.2	STANDARD, R/A SMT	
H	REVISED	J09-0134	N.S	2009-4-13	dr	0.XXX	±0.2	dwg no	sheet 3 of 4 size
J	REVISED	J09-0225	N.S	2009-6-10	enrg			10085305	A2
K	REVISED	J09-0425	N.S	2010-1-27	chr	AP.LIM	2012-04-19	type	PRODUCT CUSTOMER Drawing
L	REVISED	ELX-J-011347	N.S	2012-04-19	appd	M.KAJIURA	2012-04-19	Rev.	L
sheet index	revision sheet								



RECOMMENDED PCB PATTERN LAYOUT (WITH BOSS TYPE)



RECOMMENDED PCB PATTERN LAYOUT (WITHOUT BOSS TYPE)

mat'l. code ---					surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family 530F SATA PLUG SLIM LINE	CODE JP
ltr	description	ecn no	dr	date	tolerances unless otherwise specified	Linear	mm	title SLIM LINE SATA 7+6P PLUG STANDARD, R/A SMT	
A	RELEASED	J08-0078	N.S	2008-2-28	angles	±2'	scale 10:1	dwg no 10085305	
G	REVISED	J09-0087	N.S	2009-3-6	Linear	0.XX ±0.2 0.XXX ±0.2		sheet 4 of 4 size A2	
H	REVISED	J09-0134	N.S	2009-4-13	dr	N.SASAME	2012-04-19	type PRODUCT CUSTOMER Drawing	
J	REVISED	J09-0225	N.S	2009-6-10	engr	N.SASAME	2012-04-19	Rev. L	
K	REVISED	J09-0425	N.S	2010-1-27	chr	AP.LIM	2012-04-19		
L	REVISED	ELX-J-011347	N.S	2012-04-19	appd	M.KAJIURA	2012-04-19		
sheet index	revision sheet								