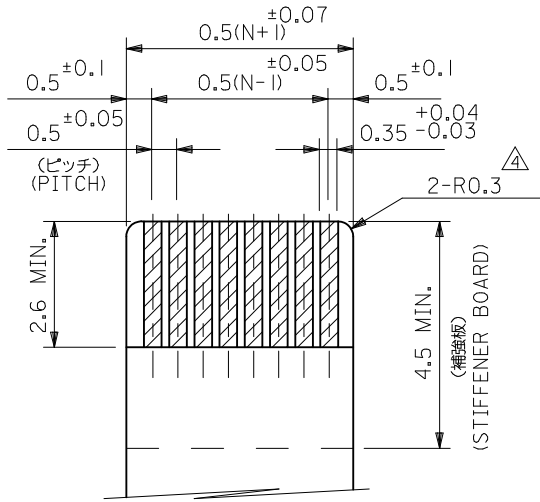


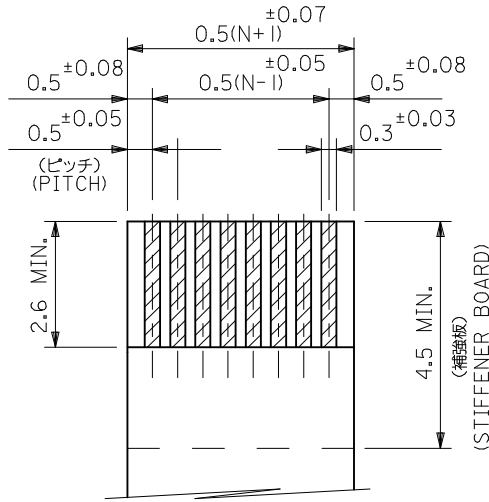
13.5	12.5	15.1	51281-2630	26
12.5	11.5	14.1	-2430	24
11.5	10.5	13.1	-2230	22
8.5	7.5	10.1	-1630	16
7.5	6.5	9.1	-1430	14
6.5	5.5	8.1	-1230	12
5.0	4.0	6.6	-0930	9
3.5	2.5	5.1	-0630	6
C	B	A	MATERIAL NO.	CIRCUIT
51281-***30			MODEL NO.	

REVISED EC NO: J2015-0533 DRWN: INOUE01 2014/10/20 CHKD: HIJIMA 2014/10/24 APPR: YNOGAWA 2014/10/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	10 UNDER	±0.2	DRAWN BY Y. WADA		DATE 2003/12/22		TITLE 0.5 FPC CONN NON-ZIF HSG ASSY (HGT=1.2MM) -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO		DATE 2003/12/22		molex DOCUMENT NO. SD-51281-009 SHEET NO. 1 OF 2			
	30 OVER	±0.3	APPROVED BY		DATE					
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-51281-009		SHEET NO. 1 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



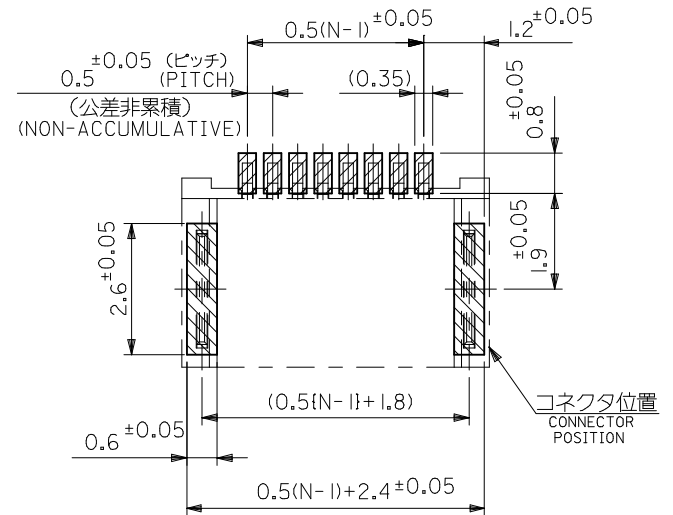
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ±0.03)
(THICKNESS: 0.3 ±0.03)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ±0.03)
(THICKNESS: 0.3 ±0.03)



参考基板レイアウト図
RECOMMENDED P.C.BOARD LAYOUT

(マウント面)
(MOUNTING SIDE)

注記 NOTES

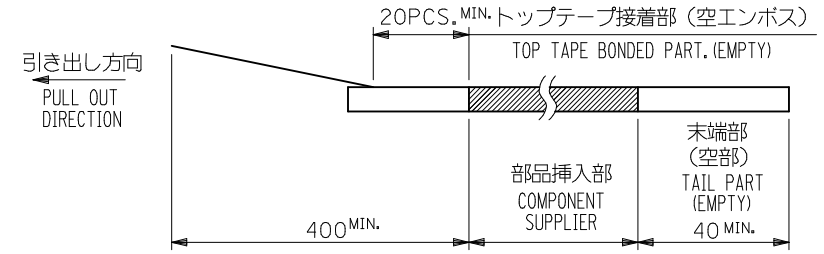
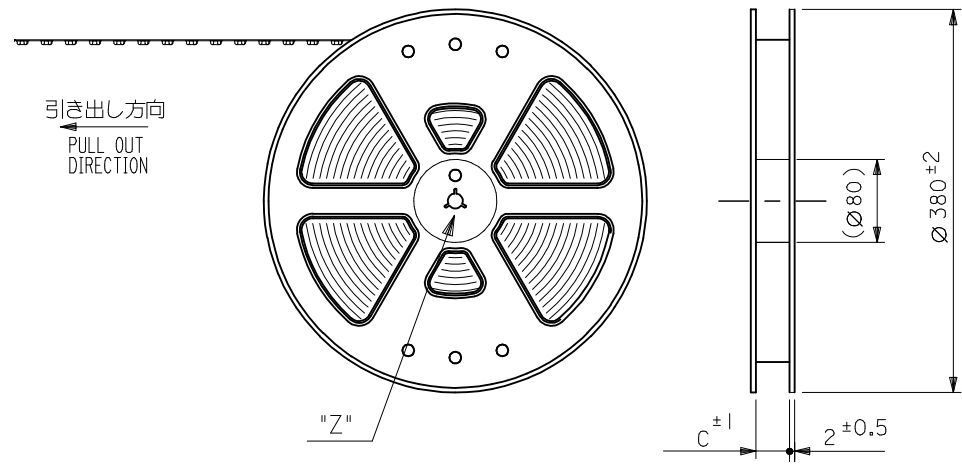
1. 使用材料 MATERIAL
ハウジング : 液晶ポリマー ガラス充填 UL94V-0
HOUSING : LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0
ターミナル : リン青銅 (t=0.2), ニッケル下地 錫ビスマスメッキ
TERMINAL : PHOSPHOR-BRONZE, TIN-BISMUTH OVER NICKEL PLATING.
金具 : リン青銅 (t=0.25), ニッケル下地 純錫メッキ
FITTING NAIL : PHOSPHOR-BRONZE, PURE-TIN OVER NICKEL PLATING.
- △ ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 \square に対し、
上方向 0.1 MAXIMUM 下方向 0.15 MAXIMUM とする。
又、相互のバラツキ量は 0.1 MAXIMUM とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM \square
UPPER DIRECTION : 0.1 MAXIMUM, LOWER DIRECTION : 0.15 MAXIMUM.
OFFSET BETWEEN SOLDER TAILS AND FITTING NAILS : 0.1 MAXIMUM.
- △ 偶数極に適用。
TO BE APPLIED ONLY WHEN ALL CIRCUIT ARE EVEN.
- △ RO.3は、FPCの導体部にかからないこと。
RO.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

5. FPC/FFCについて:
打抜き方向は導体側から補強板側を推奨いたします。
導体部については軟銅箔35 μ mまたは50 μ m
メッキ厚 3 ~ 9 μ m 錫メッキ (電気メッキ)
を推奨いたします。
RECOMMENDED PUNCHER DIRECTION :
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 μ m or 50 μ m
TIN OR SOLDER PLATING : 3 ~ 9 μ m (ELECTRICAL PLATING)
6. 本製品は51281-***20の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51281-***20.

REVISED EC NO: J2015-0533 2014/10/20 DRWN: NIJUE01 2014/10/24 CHKD: HIJIMA 2014/10/28 APPR: YNOGAWA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		51281-***30 MODEL NO.		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
		10 UNDER ±0.2		MM ONLY		---		METRIC		◎ □			
		10 OVER 30 UNDER ±0.25		DRAWN BY DATE		TITLE		0.5 FPC CONN NON-ZIF HSG ASSY (HGT=1.2MM) -LEAD FREE-					
		30 OVER ±0.3		Y.WADA 2003/12/22		MATERIAL NO. DOCUMENT NO.		SEE CHART SD-51281-009					
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO 2003/12/22		SHEET NO. 2 OF 2							
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

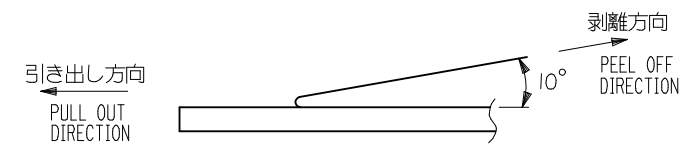
NOTES

- 製品詳細寸法については図面 SD-51281-009 を参照下さい。
RE DETAILED DIMENSION, SEE SD-51281-009.
- 梱包数量：3000個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

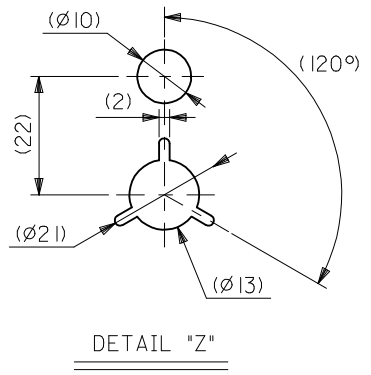


- トップテープの剥離強度：0.1N~1.3N {10gf~130gf}
(剥離方向は下図参照)

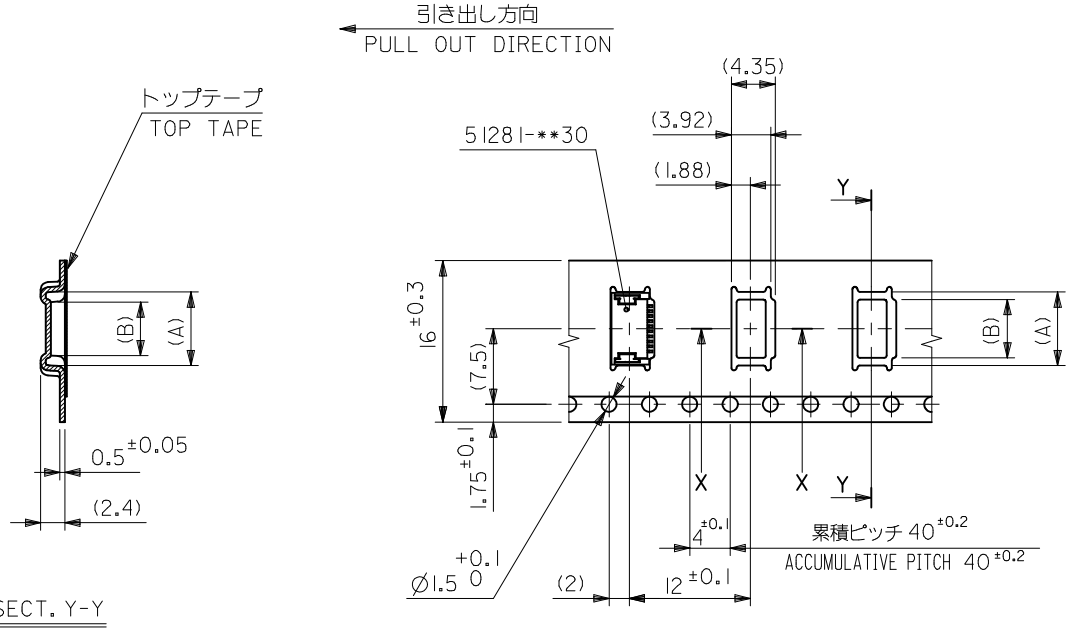
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N~1.3N {10gf~130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOP TAPE) : PET , PE , PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
- C 寸法は SHEET 2 ~ 3 を参照下さい。
SEE SHEET 2 ~ 3 (DIMENSION C).
- 本製品は 51281-**-91 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51281-**-91.



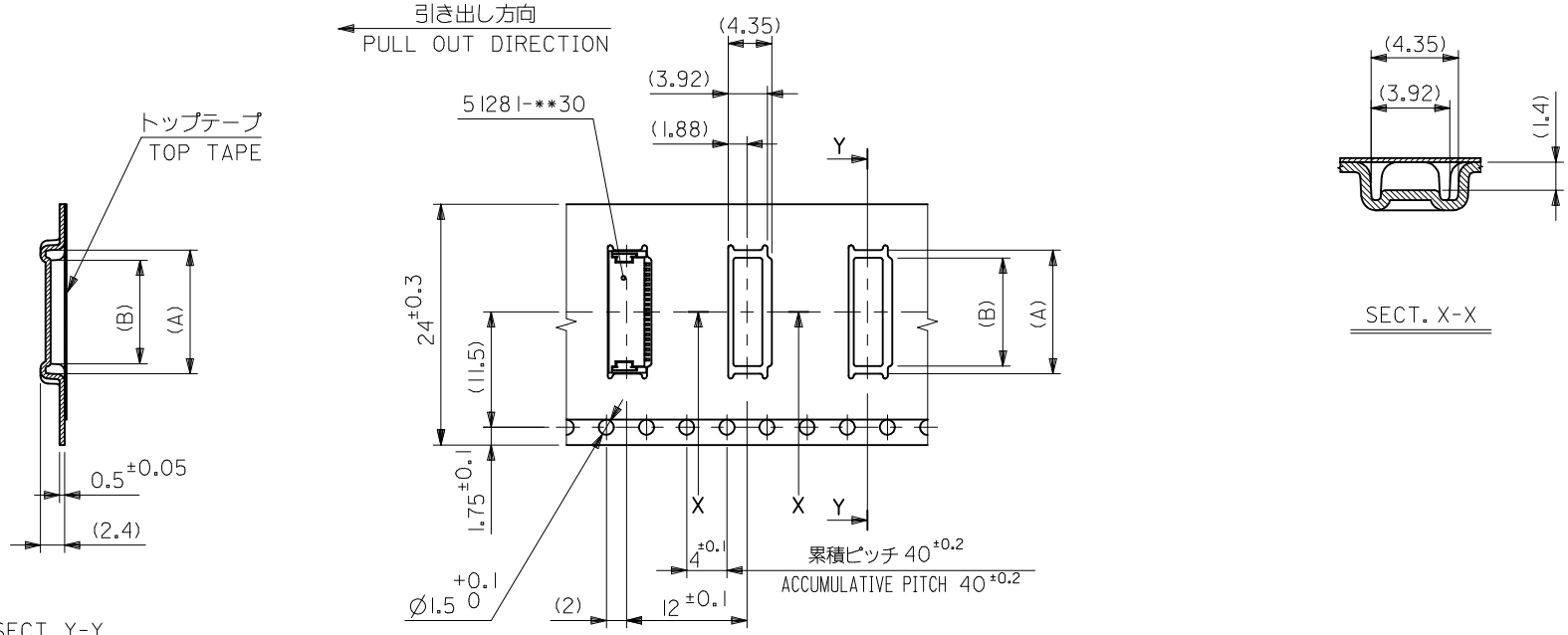
REVISED EC NO: J2015-0533 DRAWN: INOUE01 2014/10/20 CHKD: HIJIMA 2014/10/24 APPR: YNOGAWA 2014/10/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	± 0.2	DRAWN BY Y. WADA	DATE 2003/12/22	TITLE 0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG -LEAD FREE-	
	10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE 2003/12/22		
	30 OVER	± 0.3	APPROVED BY	DATE		
ANGULAR	$\pm 3^\circ$	MATERIAL NO. SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3				



16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	17.5	3.3	5.3	51281-0692	6
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 Ck†
51281-***92		MODEL NO.			

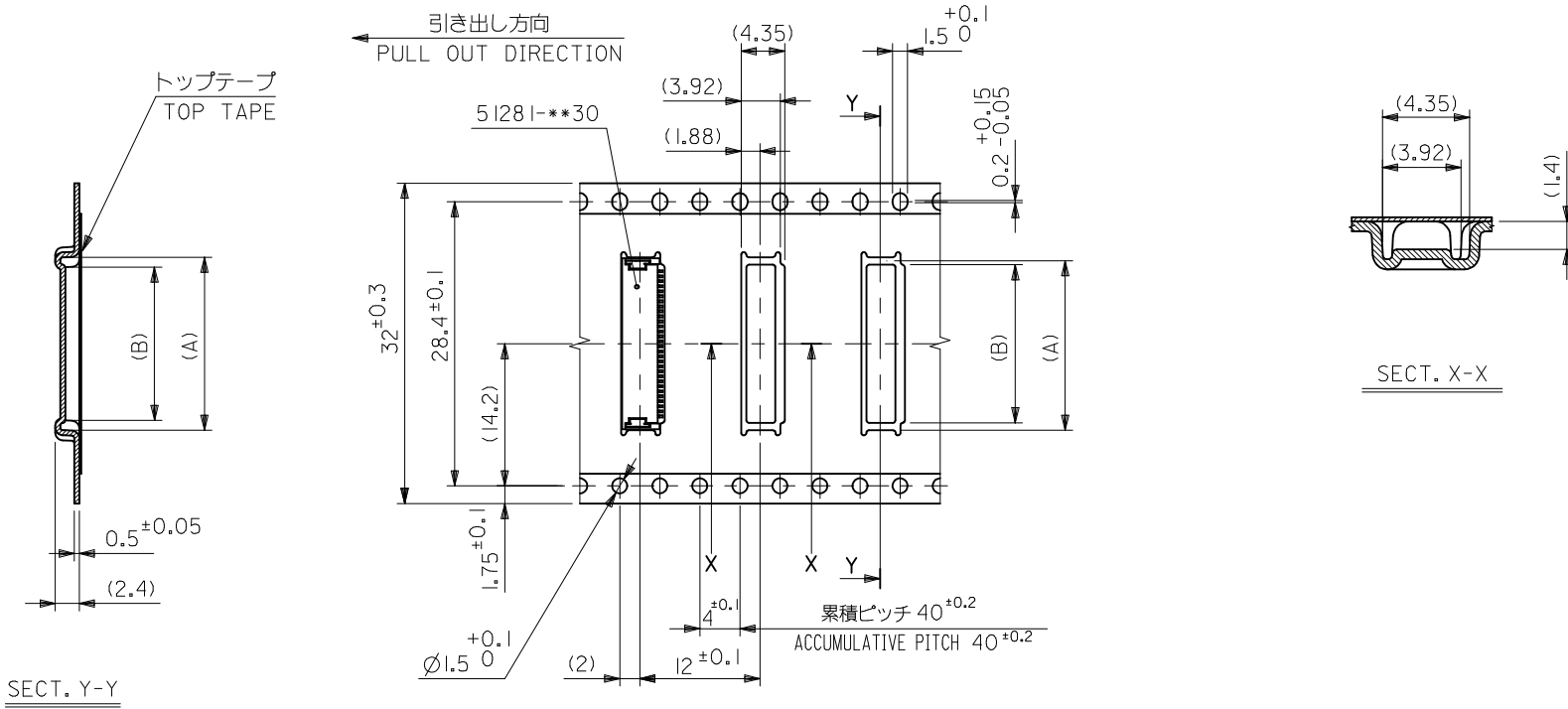
REVISED EC NO.: J2015-0533 DRWN: INOUE01 2014/10/20 CHKD: HIJIMA 2014/10/24 APPR: YNOGAWA 2014/10/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	10 UNDER ±0.2		MM ONLY	---	METRIC	
	10 OVER 30 UNDER ±0.25		DRAWN BY	DATE	TITLE	
	30 OVER ±0.3		Y. WADA	2003/12/22	0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG -LEAD FREE-	
B REV	ANGULAR ±3 °		CHECKED BY	DATE	molex	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO	2003/12/22		
			APPROVED BY	DATE		
		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
		SEE CHART	SD-51281-010		2 OF 4	
		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		A3				



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	25.5	12.3	14.3	51281-2492	24
		11.3	13.3	51281-2292	22
		8.3	10.3	51281-1692	16
		7.3	9.3	51281-1492	14
		6.3	8.3	51281-1292	12
4.8	6.8	51281-0992	9		
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 Ck+

REVISED EC NO.: J2015-0533 2014/10/20 DRWN: INOUE01 2014/10/24 CHKD: HIJIMA 2014/10/28 APPR: YNOGAWA	DESCRIPTION GENERAL TOLERANCES (UNLESS SPECIFIED)	10 UNDER	±0.2	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		10 OVER 30 UNDER	±0.25				
		30 OVER	±0.3				
		ANGULAR ±3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-51281-010	
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	33.5	13.3	15.3	51281-2692	26
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 Ckt

51281-***92	MODEL NO.	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
-------------	-----------	--------------	------------------------	---------------------------

REVISED EC NO.: J2015-0533 2014/10/20 DRWN: INOUE01 2014/10/24 CHKD: HIJIMA 2014/10/28 APPR: YNOGAWA	DESCRIPTION	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	

DRAWN BY Y. WADA	DATE 2003/12/22
CHECKED BY M. SASAO	DATE 2003/12/22
APPROVED BY	DATE

TITLE
0.5 FPC CONN NON-ZIF
(HGT=1.2MM) EMBSTP PKG
-LEAD FREE-

MATERIAL NO. SEE CHART	DOCUMENT NO. SD-51281-010	SHEET NO. 4 OF 4
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		