

Excellent Integrated System Limited

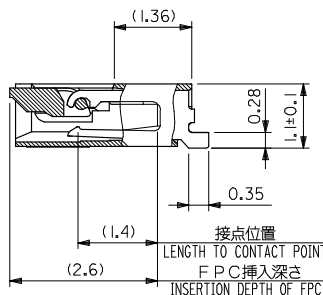
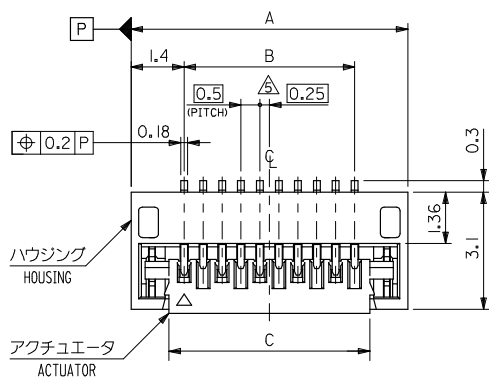
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

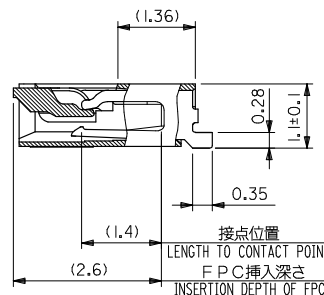
[Molex Connector Corporation](#)
[0514410993](#)

For any questions, you can email us directly:

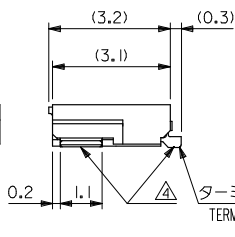
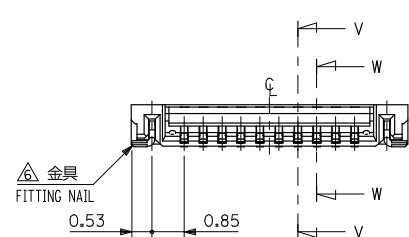
sales@integrated-circuit.com



断面 V-V
SECT. V-V
(Scale 15:1)
奇数極
(ODD CIRCUIT)



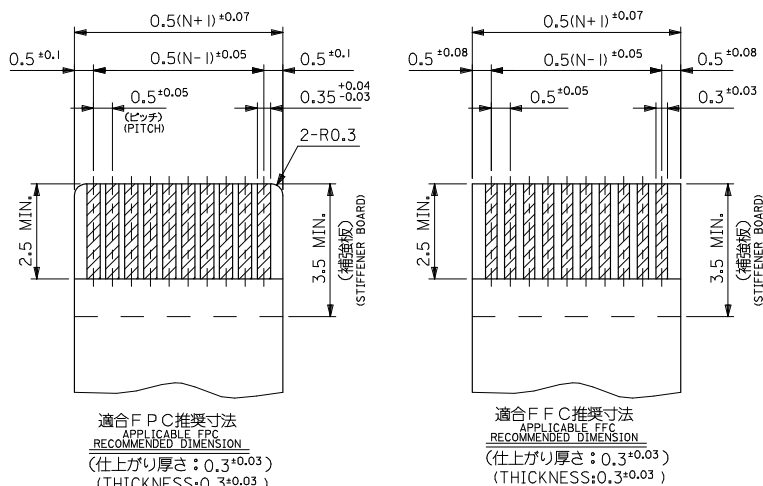
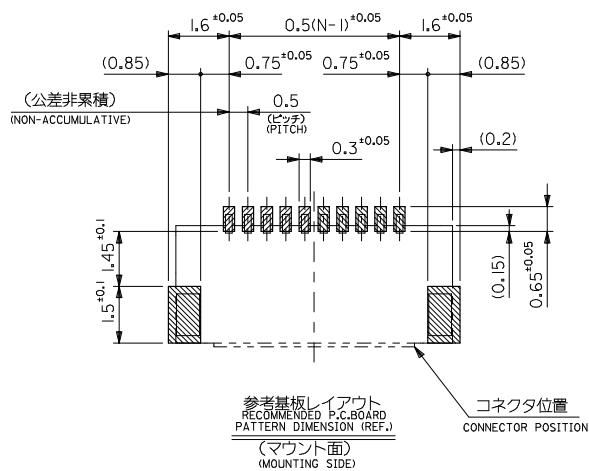
断面 W-W
SECT. W-W
(Scale 15:1)
偶数極
(EVEN CIRCUIT)



(アクチュエータが開いた状態)
(WHEN ACTUATOR IS OPENED)

12.3	11.5	14.3	51441-2493	51441-2441	24
11.3	10.5	13.3	51441-2293	51441-2241	22
10.3	9.5	12.3	51441-2093	51441-2041	20
9.3	8.5	11.3	51441-1893	51441-1841	18
8.8	8.0	10.8	51441-1793	51441-1741	17
8.3	7.5	10.3	51441-1693	51441-1641	16
6.8	6.0	8.8	51441-1393	51441-1341	13
6.3	5.5	8.3	51441-1293	51441-1241	12
5.8	5.0	7.8	51441-1193	51441-1141	11
5.3	4.5	7.3	51441-1093	51441-1041	10
4.8	4.0	6.8	51441-0993	51441-0941	9
4.3	3.5	6.3	51441-0893	51441-0841	8
3.8	3.0	5.8	51441-0793	51441-0741	7
3.3	2.5	5.3	51441-0693	51441-0641	6
C	B	A	EMBOSSSED TAPE ORDER No. オート番号	製品番号 MATERIAL No.	極数 CIRCUIT

REVISED EC NO: J2008-4048 DRAWN BY: CHIKO THARYAMA CHECKED BY: APPR: NUKITA DATE: 2008/06/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2003/12/22	TITLE 0.5 FPC CONN. E/O HSG ASSY BTM CONT(H=1.1) -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2003/12/22					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2003/12/22	MOLEX MOLEX INCORPORATED				
		ANGULAR	± 3 °	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-51441-007		SHEET NO. 1 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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 (ベージュ)
HOUSING : LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0(BEIGE)
アクチュエータ : ポリフェニレンサルファイド ガラス充填, UL94V-0 (黒)
ACTUATOR : POLYPHENYLENE SULFIDE GLASS FILLED, UL94V-0(BLACK)
ターミナル : リン青銅 ($t=0.18$)
TERMINAL : PHOSPOR BRONZE
金具 : リン青銅 ($t=0.15$)
FITTING NAIL : PHOSPOR BRONZE

2. メッキ仕様 PLATING

ターミナルTERMINAL
ニッケル下地鍍ビスマスメッキ
TIN-BISMUTH (LEAD FREE) OVER NICKEL PLATING
金具 FITTING NAIL
ニッケル下地鍍メッキ
PURE TIN (LEAD FREE) OVER NICKEL PLATING

3. エンボステープ梱包時は、アクチュエータが閉じた状態とする。

IN THE PACKAGE, ACTUATOR OF PART NO.51441-**-1 SHOULD BE CLOSED.

△ソルダータール及び金具の平坦度は、0.1以下。

SOLDER TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.

△偶数極に適用。

APPLY FOR EVEN CIRCUIT.

△パターンはくり止め用金具

FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.

7. この製品は 51441-**-11 及び 51441-**-31 の鉛フリー品です。

THIS PRODUCT IS LEAD FREE ITEM OF 51441-**-11 AND 51441-**-31.

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。

導体側については軟銅箔35マイクロメートルまたは50マイクロメートルを推奨いたします。

ABOUT FPC/FFC

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

RECOMMENDED CONDUCTOR SPEC :

THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER

FPCについて:

補強フィルム材質はポリイミドを推奨します。

接着剤は熱硬化接着剤を推奨します。

ABOUT FPC

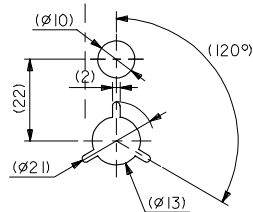
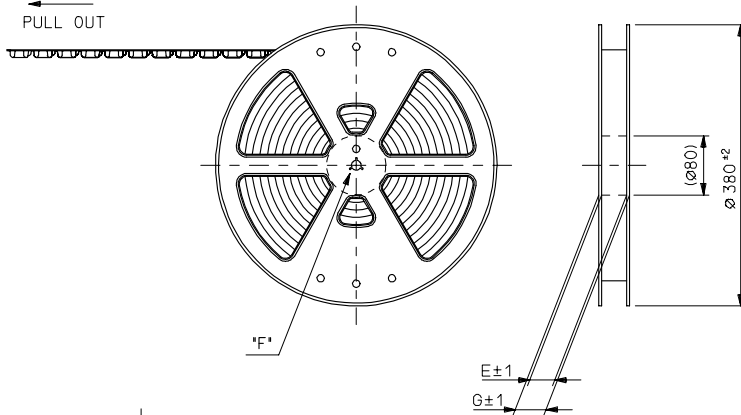
RECOMMENDED MATERIAL :

STIFFENER FILM : POLYIMIDE

BONDING AGENT : THERMOSETTING BONDING AGENT

REVISED	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2003/12/22	TITLE 0.5 FPC CONN. E/O HSG ASSY BTM CONT(H=1.1) -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2003/12/22	MOLEX MOLEX INCORPORATED				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2003/12/22					
		ANGULAR	± 3 °	MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-51441-007		SHEET NO. 2 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		SIZE A3								
		EC NO: J2008-4048	2008/06/13	DRW:NABEI	2008/06/16	CHKD:THAYAMA	2008/06/16	APPR:NUKITA		

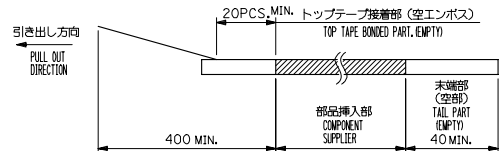
10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT

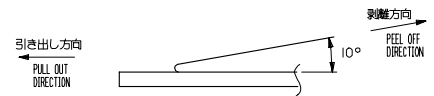
DETAIL "F"

注記 NOTES

1. 製品詳細寸法については、図面SD-51441-007を参照下さい。
RE: DETAILED DIMENSION, SEE SD-51441-007.
2. 梱包数量: 3000個/リール
NUMBER OF CONNECTORS: 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

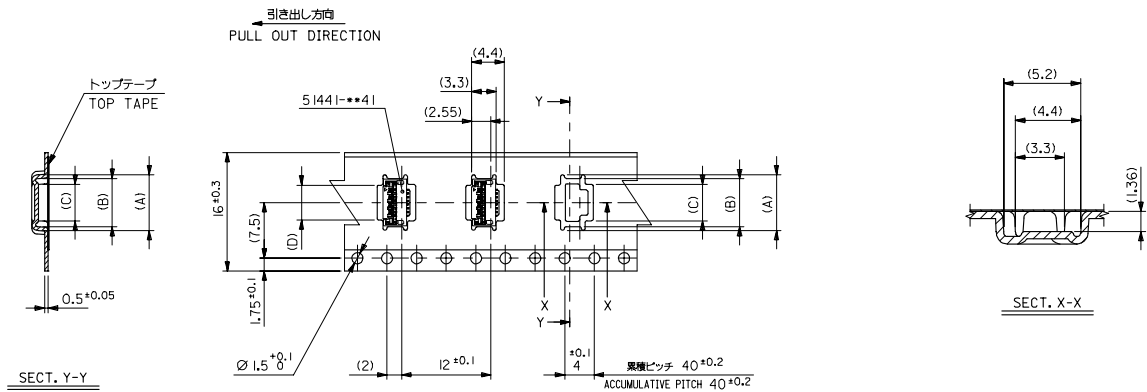


4. トップテープの剥離強度: 0.1N ~ 1.3N [10.2gf ~ 130gf]
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: 0.1N ~ 1.3N(10gf ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



5. 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) <リサイクル材を含む>
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
6. この製品は51441-0090及び51441-0092の鉛フリー品です。
THIS PRODUCT IS LEAD FREE ITEM OF 51441-0090 AND 51441-0092.

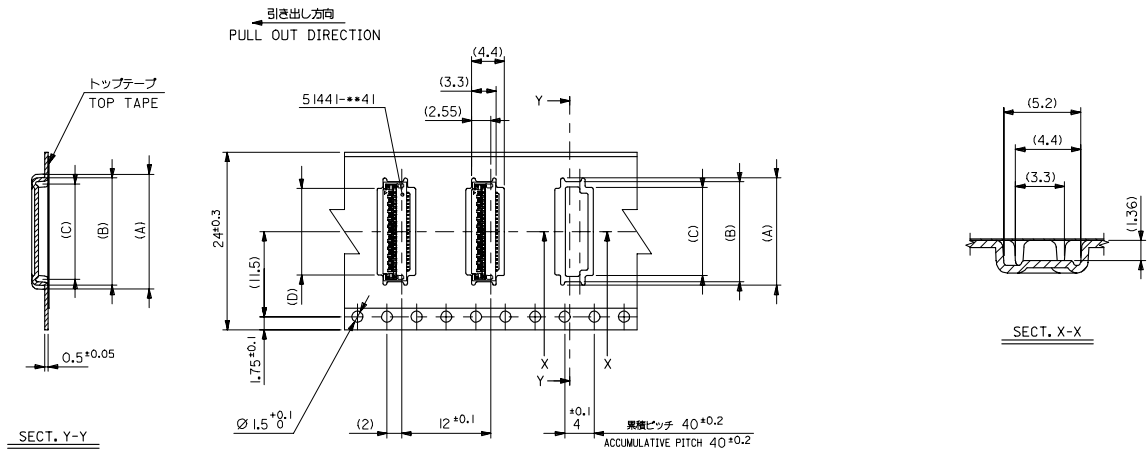
51441-0093		MODEL No.	
DESIGN UNITS		THIRD ANGLE PROJECTION	
METRIC			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EMBSTP PKG FOR 0.5 FPC CONN E/O BTM CONT H=1.1 -LEAD FREE-	
10 UNDER	±0.2	M.HAYASHI '03/12/22 K.TOJO '03/12/22 M.SASAO '03/12/22 MATERIAL NO. SEE CHART DOCUMENT NO. SD-51441-008	
10 OVER 30 UNDER	±0.25		
30 OVER	±0.3		
ANGULAR	±3°	MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	4.7	4.89	6.5	7.5	51441-0893	8
			4.2	4.39	6	7	51441-0793	7
			3.7	3.89	5.5	6.5	51441-0693	6
キャリアテープ幅 CARRIER TAPE WIDTH	G	E	(D)	(C)	(B)	(A)	MATERIAL NO.	梱包 CKT.

REVISED EC NO: J2006-0858 DRAWN:MABEI CHKD:X TOYODA APP:NIKITA A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY M. HAYASHI	DATE '03/12/22	EMBSTP PKG FOR 0.5 FPC CONN E/O BTM CONT H=1C1 -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '03/12/22				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '03/12/22				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51441-008		2 OF 3	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	12.7	12.89	14.5	15.5	51441-2493	24
			11.7	11.89	13.5	14.5	51441-2293	22
			10.7	10.89	12.5	13.5	51441-2093	20
			9.7	9.89	11.5	12.5	51441-1893	18
			9.2	9.39	11	12	51441-1793	17
			8.7	8.89	10.5	11.5	51441-1693	16
			7.2	7.39	9	10	51441-1393	13
			6.7	6.89	8.5	9.5	51441-1293	12
			6.2	6.39	8	9	51441-1193	11
			5.7	5.89	7.5	8.5	51441-1093	10
			5.2	5.39	7	8	51441-0993	9
キャリアテープ幅 CARRIER TAPE WIDTH	G	E	(D)	(C)	(B)	(A)	MATERIAL NO.	規格 CKT.

REVISION REV DESCRIPTION REVISED EC NO: J2006-0858 DRAWN: MABEI CHKD: TOYODA APP: NIKITA 2005/09/12 2005/09/15	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL No. 51441-008
	10 UNDER	±---	DRAWN BY M. HAYASHI	DATE '03/12/22	TITLE EMBSTP PKG FOR 0.5 FPC CONN E/O BTM CONT H=1.1 -LEAD FREE-		
	10 OVER 30 UNDER	±---	CHECKED BY K. TOJO	DATE '03/12/22			
	30 OVER	±---	APPROVED BY M. SASAO	DATE '03/12/22	MOLEX INCORPORATED		
ANGULAR ±---			MATERIAL NO.		DOCUMENT NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-51441-008		
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
					SHEET NO. 3 OF 3		