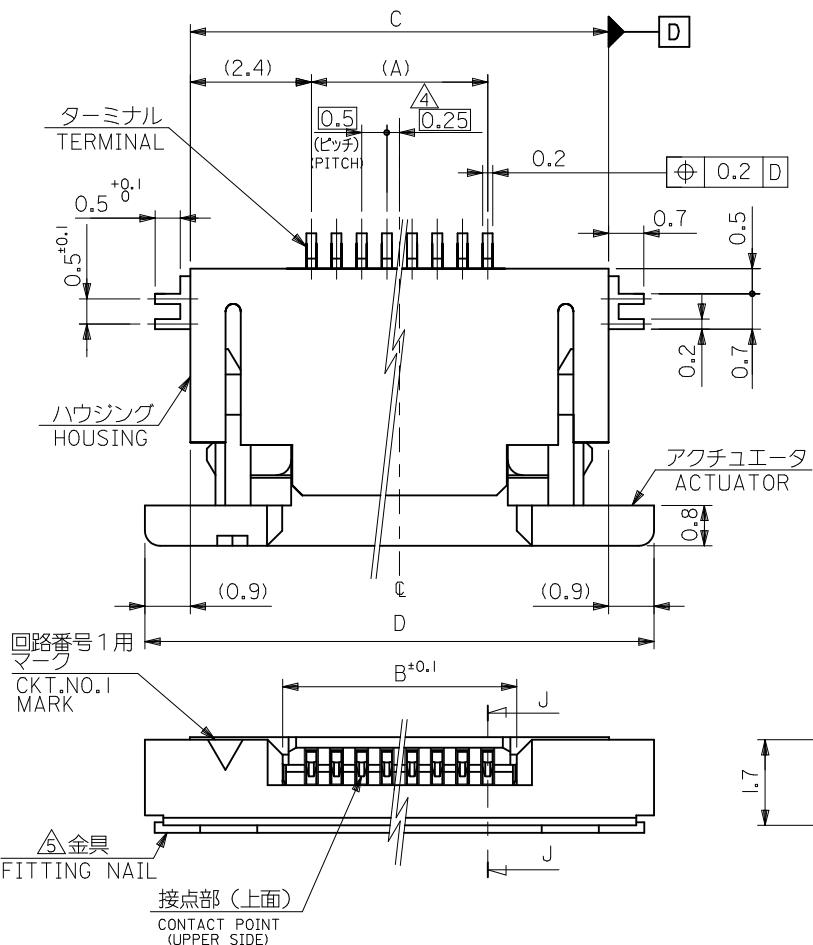


10 9 8 7 6 5 4 3 2 1



REVISED
EC NO: J2011-0806
DRAWN: EBI SAWA 2010/12/13
CH'DKT: TAKAHASHI 2010/12/14
APPR: KMORIKAWA 2010/12/11
REV C

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

DIMENSION STYLE
MM ONLY
DRAWN BY T. UENO DATE '04/01/28
CHECKED BY M. SASAO DATE '04/01/28
APPROVED BY M. SASAO DATE '04/01/28
MATERIAL NO. SEE TABLE
SIZE A3

SCALE --- DESIGN UNITS METRIC
TITLE 0.5 FPC CONN ASSY ZIF
UPR CONT -LEAD FREE-
molex MOLEX INCORPORATED
DOCUMENT NO. SD-52745-048
SHEET NO. 1 OF 2
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 : ポリアミド46、ガラス充填、UL94V-0(白)
HOUSING : POLYAMIDE46, GLASS FILLED, UL94V-0(WHITE)
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、ニッケル下地錫ビスマスメッキ (t=0.2)
TERMINAL : PHOSPHOR BRONZE, TIN-BISMUTH OVER NICKEL PLATING
金具 : リン青銅、ニッケル下地純錫メッキ (t=0.2)
FITTING NAIL : PHOSPHOR BRONZE, TIN OVER NICKEL PLATING

2. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 52745-**19 SHOULD BE LOCKED.
△ソルダーテ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 [H] に対する上方向 0.1 MAX.、下方向 0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [H] UP: 0.1 MAX., DOWN: 0.15 MAX.

△偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△バターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.

6. 本製品は 52745-**17 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52745-**17

△R.O. 3は、FPCの導体部にかからないこと。
R.O.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

I6.1	I4.3	I0.65	9.5	52745-2096	52745-2019	20
I5.6	I3.8	I0.15	9.0	-1996	-1919	19
I5.1	I3.3	I9.65	8.5	-1896	-1819	18
I4.6	I2.8	I9.15	8.0	-1796	-1719	17
I4.1	I2.3	I8.65	7.5	-1696	-1619	16
I3.6	I1.8	I8.15	7.0	-1596	-1519	15
I3.1	I1.3	I7.65	6.5	-1496	-1419	14
I2.6	I0.8	I7.15	6.0	-1396	-1319	13
I2.1	I0.3	I6.65	5.5	-1296	-1219	12
I1.6	I9.8	I6.15	5.0	-1196	-1119	11
I1.1	I9.3	I5.65	4.5	-1096	-1019	10
I0.6	I8.8	I5.15	4.0	-0996	-0919	9
I0.1	I8.3	I4.65	3.5	-0896	-0819	8
9.6	7.8	4.15	3.0	-0796	-0719	7
9.1	7.3	3.65	2.5	-0696	-0619	6
8.1	6.3	2.65	1.5	52745-0496	52745-0419	4
D C B (A)				EMBOSSED TAPE	MATERIAL NO. 極数	
				ORDER No. オーダー番号		

52745-**19 MODEL NO.

THIRD ANGLE PROJECTION
◎ □

10 9 8 7 6 5 4 3 2 1

F

PATTERN

BOARD

R 0.3
(0.605)
(FROM PATTERN EDGE)

VIEW M
(DETAIL OF FITTING NAIL
ON PATTERN)

REVISED EC NO: J2011-0806 DRWNR: JEB ISWA CHKD: K.TAKAHASHI APPR: KMORIKAWA	DESCRIPTION 10 UNDER ± 0.2 10 OVER 30 UNDER ± 0.25 30 OVER ± 0.3 ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			DRAWN BY T.UENO	DATE '04/01/28				TITLE 0.5 FPC CONN ASSY ZIF UPR CONT -LEAD FREE-
		CHECKED BY M.SASAO	DATE '04/01/28					
		APPROVED BY M.SASAO	DATE '04/01/28	molex		MOLEX INCORPORATED		
		MATERIAL NO.	SEE SHEET 1		DOCUMENT NO. SD-52745-048	SHEET NO. 2 OF 2		
REV C		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Technical drawing of a stepped plate structure. The top horizontal dimension is $0.5(N+1)^{\pm 0.07}$. The middle horizontal dimension is $0.5(N-1)^{\pm 0.05}$. The right side shows a thickness of $0.5^{\pm 0.08}$ and a width of $0.3^{\pm 0.03}$. The left side shows a thickness of 0.05 and a width of CH . The bottom part shows a stepped profile with a thickness of $G^{\pm 0.5}$ and a label '(STIFFENER BOARD)'.

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: $0.3^{+0.03}$)

FPCについて：
打抜き方向は導体側から補強板側を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC :
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

tb_frame_A3_J_ME_S
Rev. E 2006/04/15

8

8

7

1

1

1

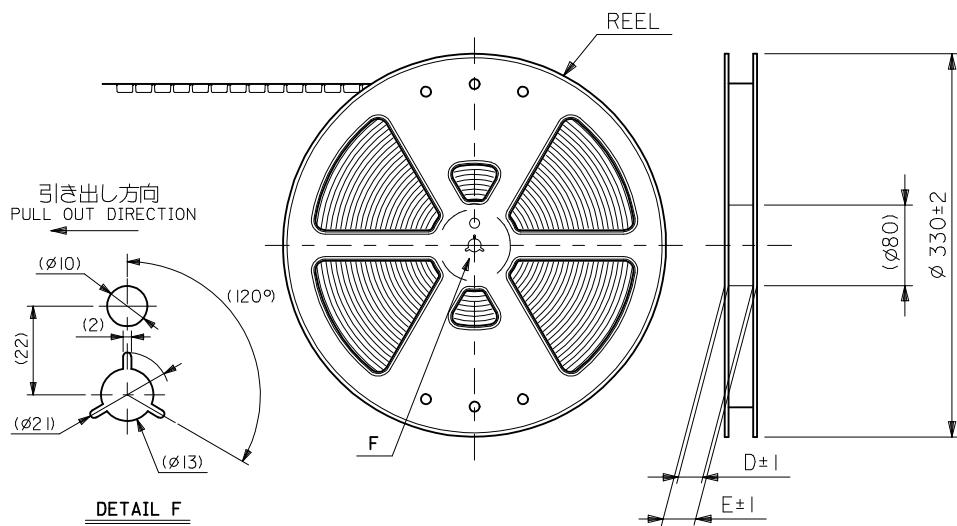
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1

88

EN-02JA(021)

10 9 8 7 6 5 4 3 2 1



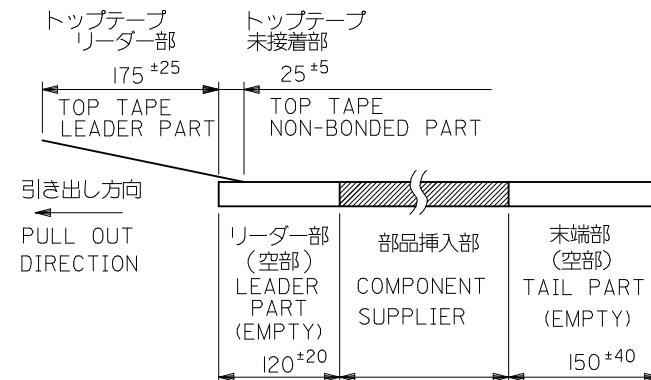
5. 材料
キャリアテープ:ポリプロピレン (PP)
トップテープ:PET, PE, PEF
リール:ポリスチレン (PS) <リサイクル材を含む>
MATERIAL CARRIER TAPE:POLYPROPYLENE
TOP TAPE:PET,PE,PEF
REEL:POLYSTYRENE(PS)
<RECYCLE MATERIAL CONTAINED>

6. 本製品は 52745-**90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52745-**90
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

注記 NOTES

1. 製品番号 52745-**19 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については図面 SD-52745-048 を参照下さい。
IN THE PACKAGE, ACTUATOR OF PART NO.52745-**19 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52745-048.

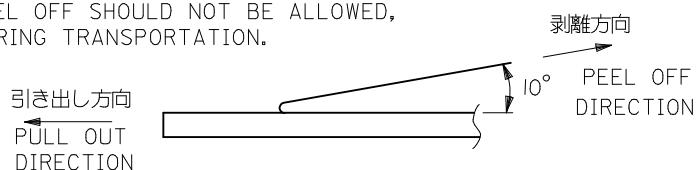
2. 梱包数量: 1000個/リール
NUMBER OF CONNECTORS: 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度: (剥離方向は下図参照)
0. 1N~1.3N (10gf~130gf) 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事。)

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.

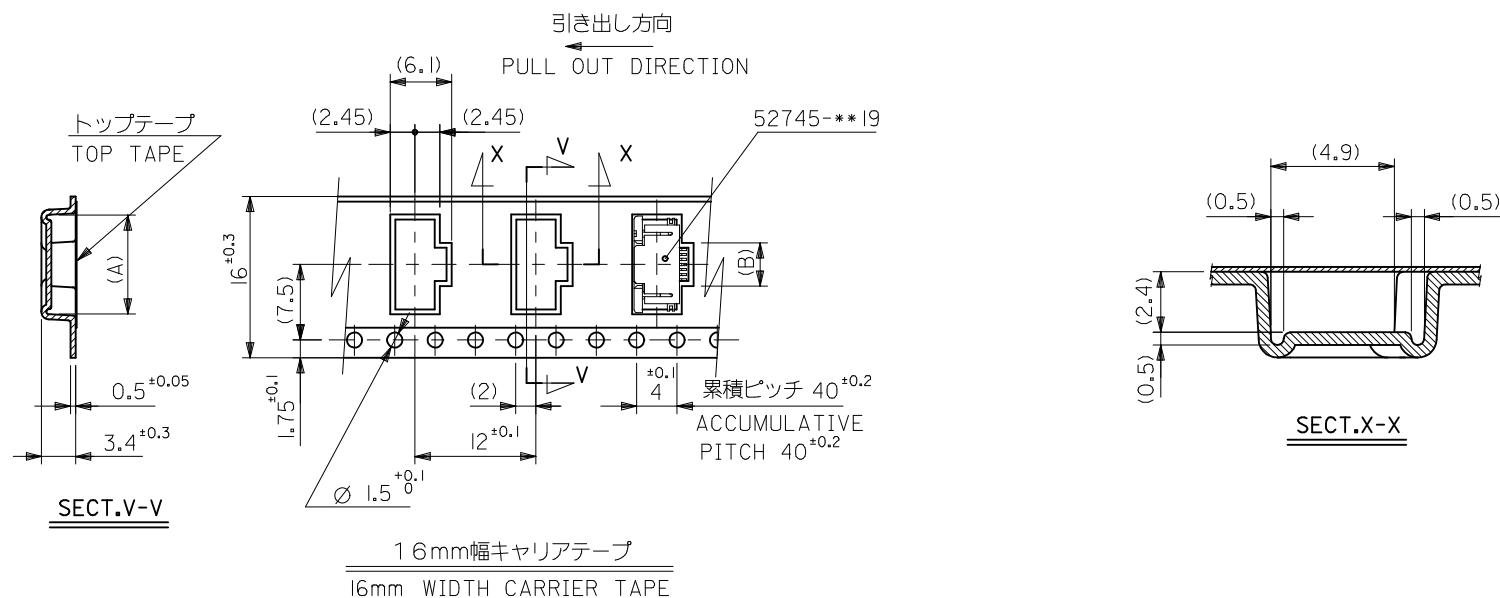


REVISED	EC NO: J2009-2061	DRAWN/TOK: 2009/05/20	CHKD: MATSUMOTO 2009/05/21	APPR: NUKITA 2009/05/21	DESCRIPTION
B					

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

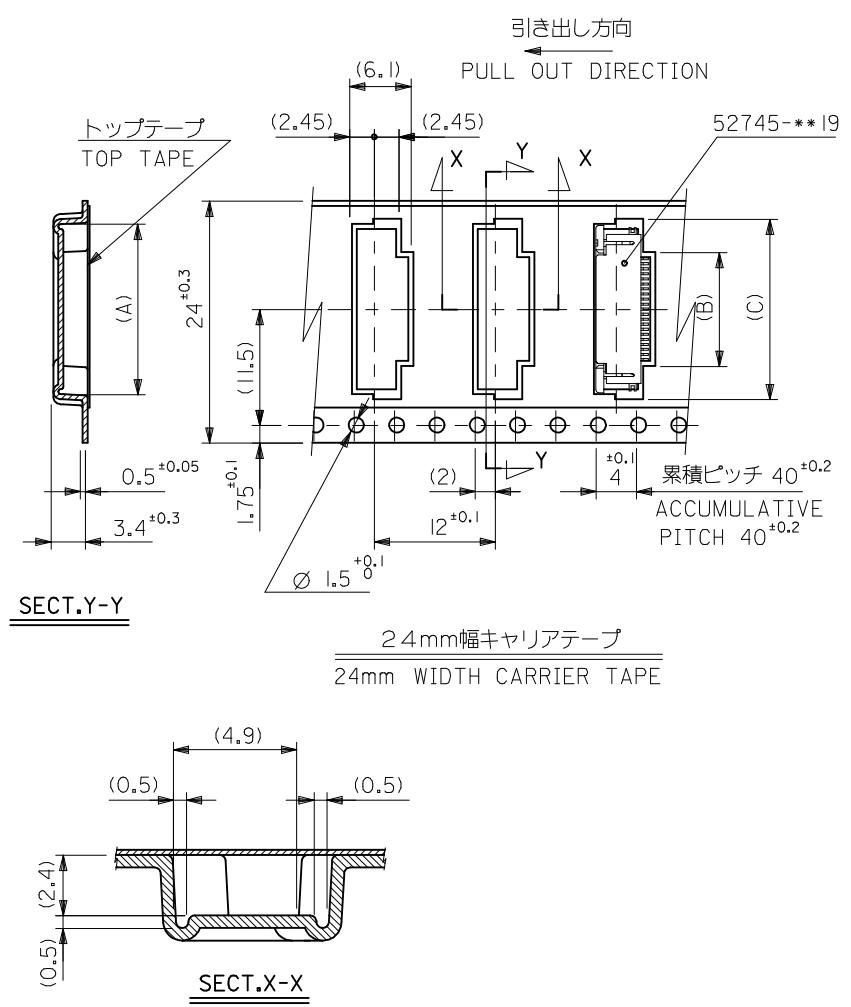
DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
DRAWN BY T. UENO	DATE 2004/01/08			TITLE 0.5 FPC CONN UPR CONT EMBSTP PKG -LEAD FREE-
CHECKED BY M. SASAO	DATE 2004/01/08			
APPROVED BY M. SASAO	DATE 2004/01/08			MOLEX MOLEX INCORPORATED
MATERIAL NO. SEE SHEET 2,3	DOCUMENT NO. SD-52745-049			SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

10 9 8 7 6 5 4 3 2 1



16	21.4	17.4	17.5	2.8	8.4	52745-0496	4
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT
52745-**96 MODEL NO.							
0.5 FPC CONN UPR CONT EMBTP PKG -LEAD FREE-							
GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
10 UNDER	± 0.2			TITLE			
10 OVER 30 UNDER	± 0.25			0.5 FPC CONN UPR CONT EMBTP PKG -LEAD FREE-			
30 OVER	± 0.3			MOLEX INCORPORATED			
ANGULAR	± 3			DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SD-52745-049			
REVISED	EC NO: J2009-2061	DATE: 2009/05/20	DRAWN BY: T. UENO	DATE: 2004/01/08			SHEET NO. 2 OF 3
	DRAWN: T. UENO	CHKD: H. MATSUMOTO	CHECKED BY: M. SASAO	APPROVED BY: M. SASAO			
B	APPR: N. UKITA	REV: 2009/05/21	DESCRIPTION: 0.5 FPC CONN UPR CONT EMBTP PKG -LEAD FREE-				
			SEE TABLE				
			SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1



	24	29.4	25.4	17.4	10.8	16.4	52745-2096	20
キヤリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	52745-0696	6
							52745-**96	MODEL NO.
							52745-**96	MODEL NO.
							52745-**96	MODEL NO.

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
10 UNDER	±0.2	DRAWN BY T. UENO	DATE 2004/01/08				
10 OVER	30 UNDER	CHECKED BY M. SASAO	DATE 2004/01/08				
30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/01/08				
ANGULAR	±3°	MOLEX	MOLEX INCORPORATED				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	DOCUMENT NO. SD-52745-049				
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				

REVISED
EC NO: J2009-2061
DRAWN: T.KUN
CHKD: H.MATSUMOTO
APPR: N.UKA
2009/05/21
2009/05/21
2009/05/21
REV B

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

DIMENSION STYLE
MM ONLY

DRAWN BY
T. UENO
DATE
2004/01/08

CHECKED BY
M. SASAO
DATE
2004/01/08

APPROVED BY
M. SASAO
DATE
2004/01/08

MATERIAL NO.
SEE TABLE

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
0.5 FPC CONN UPR CONT
EMBTP PKG
-LEAD FREE-

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.
SD-52745-049

SHEET NO.
3 OF 3

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Mouser Electronics

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