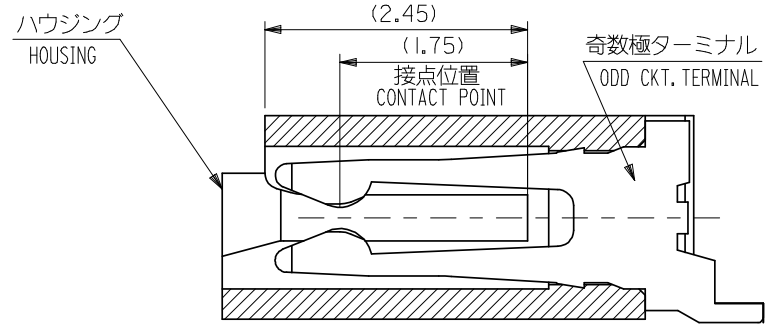
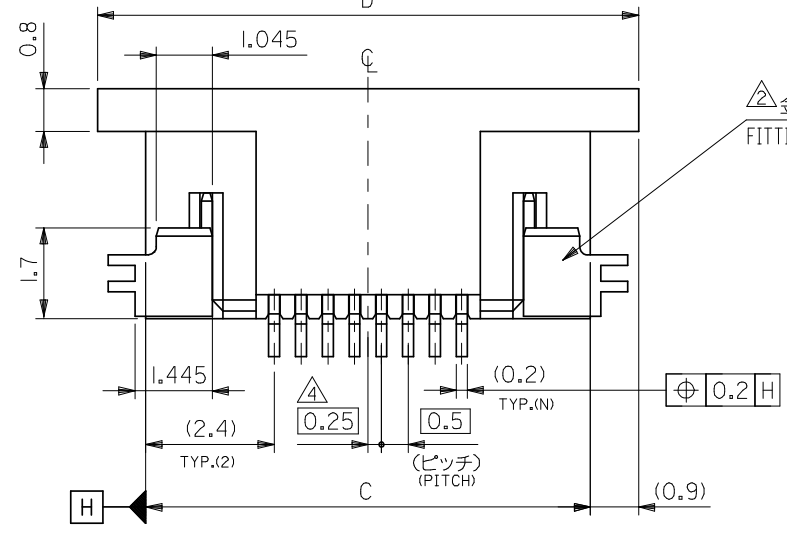
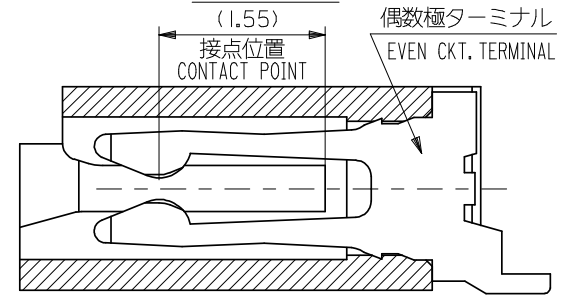


△ 金具
FITTING NAIL



SECT. M-M



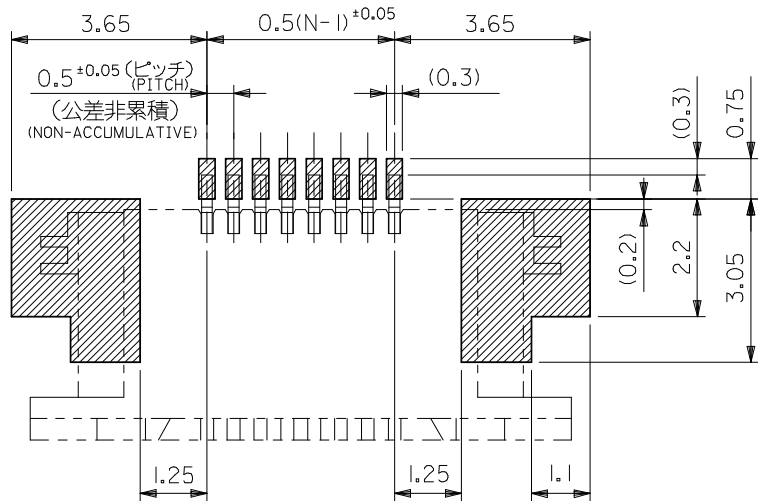
SECT. F-F

注記(NOTES)

1. 使用材料 (MATERIAL)
ターミナル (TERMINAL): リン青銅
PHOSPHOR BRONZE t=0.2
鍍ビスマスメッキ 1. 0マイクロメートル以上
TIN-BISMUTH I.O. MICROMETER MINIMUM
ニッケル下地 1. 0マイクロメートル以上
NICKEL (UNDER PLATING) I.O. MICROMETER MINIMUM
- ハウジング (HOUSING): 46ナイロン (46NYLON), UL94V-0
- 金具 (FITTING NAIL): リン青銅
PHOSPHOR BRONZE t=0.2
鍍メッキ 1. 0マイクロメートル以上
TIN I.O. MICROMETER MINIMUM
ニッケル下地 1. 0マイクロメートル以上
NICKEL (UNDER PLATING) I.O. MICROMETER MINIMUM
- △ パターン剥離止め用金具。(FITTING NAIL FOR PREVENTION OF PEELING OFF PCB. PATTERN.)
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 L に対し上方向 0.1MAX.、下方向 0.15MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM L
UPPER DIRECTION 0.1MAX., LOWER DIRECTION 0.15MAX.
- △ 偶数極に適用。(TO BE APPLIED ONLY WHEN ALL CKTS. ARE EVEN.)
5. 本製品は 52689-***40 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE 52689-***40.

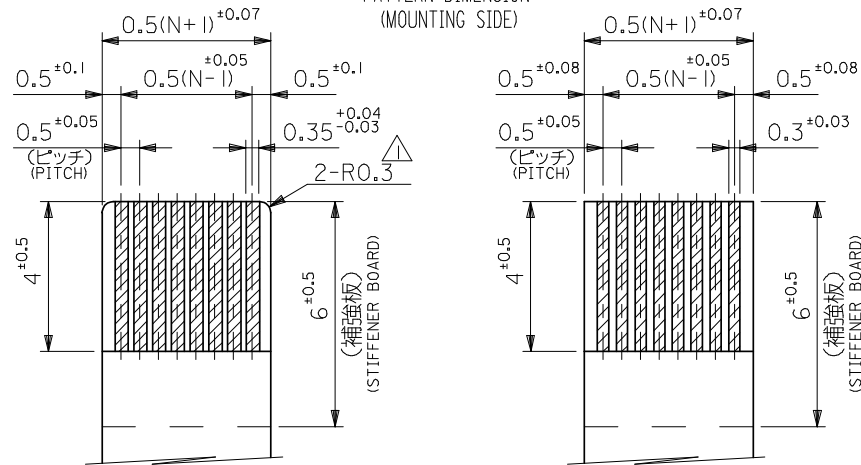
MODEL NO. 52689-***49

REVISED EC NO: J2008-4308 DRWN: MWABEI 2008/06/27 CHKD: THARUYAMA 2008/06/30 APPR: NUKITA 2008/06/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			MM ONLY	---	METRIC	
	10 UNDER	±0.2	DRAWN BY	DATE	TITLE	
	10 OVER 30 UNDER	±0.25	H. KAWABATA	'04/02/03	0.5 FPC CONN NON ZIF HSG ASSY FOR SMT(R/A) -LEAD FREE-	
	30 OVER	±0.3	CHECKED BY	DATE	MOLEX INCORPORATED	
ANGULAR	±3	K. TOJO	'04/02/03	MATERIAL NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO	'04/02/03	DOCUMENT NO.		
		SEE SHEET 2		SD-52689-034		
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				SHEET NO. 1 OF 2		



参考基板レイアウト
(マウント面)

REFERENCE P.C.BOARD
PATTERN DIMENSION
(MOUNTING SIDE)



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 : FORM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

注記 NOTES

△ R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

17.6	21.1	19.3	15.5	14.5	52689-3087	52689-3049	30
17.1	20.6	18.8	15.0	14.0	-2987	-2949	29
16.6	20.1	18.3	14.5	13.5	-2887	-2849	28
16.1	19.6	17.8	14.0	13.0	-2787	-2749	27
15.6	19.1	17.3	13.5	12.5	-2687	-2649	26
15.1	18.6	16.8	13.0	12.0	-2587	-2549	25
14.6	18.1	16.3	12.5	11.5	-2487	-2449	24
14.1	17.6	15.8	12.0	11.0	-2387	-2349	23
13.6	17.1	15.3	11.5	10.5	-2287	-2249	22
13.1	16.6	14.8	11.0	10.0	-2187	-2149	21
12.6	16.1	14.3	10.5	9.5	-2087	-2049	20
12.1	15.6	13.8	10.0	9.0	-1987	-1949	19
11.6	15.1	13.3	9.5	8.5	-1887	-1849	18
11.1	14.6	12.8	9.0	8.0	-1787	-1749	17
10.6	14.1	12.3	8.5	7.5	-1687	-1649	16
10.1	13.6	11.8	8.0	7.0	-1587	-1549	15
9.6	13.1	11.3	7.5	6.5	-1487	-1449	14
9.1	12.6	10.8	7.0	6.0	-1387	-1349	13
8.6	12.1	10.3	6.5	5.5	-1287	-1249	12
8.1	11.6	9.8	6.0	5.0	-1187	-1149	11
7.6	11.1	9.3	5.5	4.5	-1087	-1049	10
7.1	10.6	8.8	5.0	4.0	-0987	-0949	9
6.6	10.1	8.3	4.5	3.5	-0887	-0849	8
6.1	9.6	7.8	4.0	3.0	-0787	-0749	7
5.6	9.1	7.3	3.5	2.5	-0687	-0649	6
5.1	8.6	6.8	3.0	2.0	52689-0587	52689-0549	5

52689-***49	W	D	C	B	A	EMBOSSSED TAPE	MATERIAL NO.	極数 CKT.
MODEL NO.						ORDER No. オーダー番号		

REVISED EC NO: J2008-4308 DRWN:WABEI 2008/06/27 CHKD:THAYAMA 2008/06/30 APPR:NUKITA 2008/06/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	±0.2	DRAWN BY H. KAWABATA	DATE '04/02/03	TITLE 0.5 FPC CONN NON ZIF HSG ASSY FOR SMT(R/A) -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '04/02/03	MOLEX INCORPORATED			
	30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/03	DOCUMENT NO. SD-52689-034			
	ANGULAR	±3 °	MATERIAL NO.	SEE TABLE	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						

F

E

D

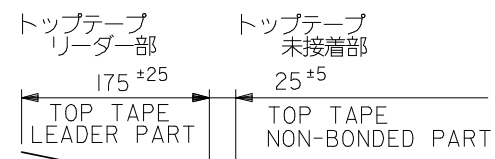
C

B

A

注記 NOTES

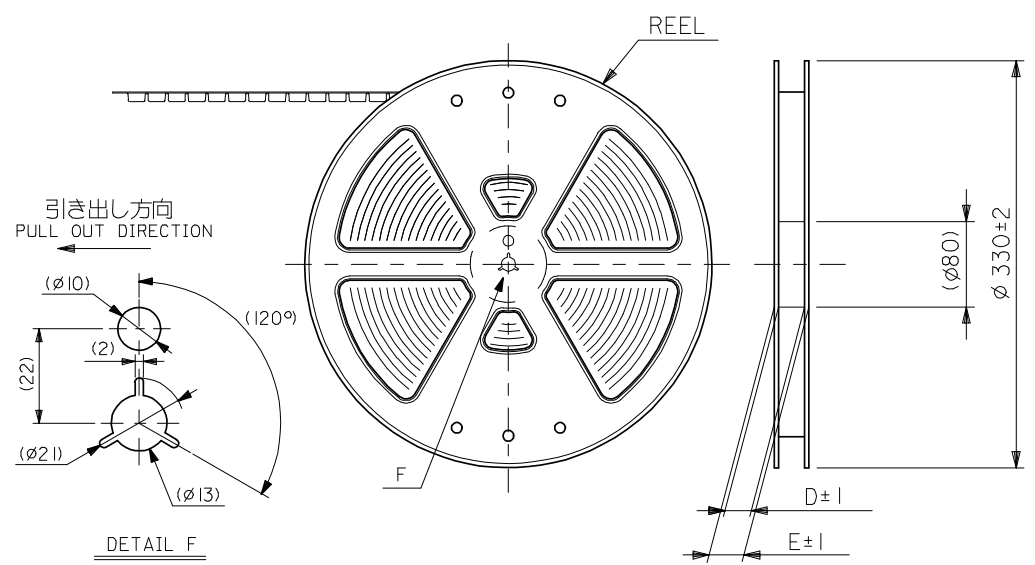
- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量：1000個/リール
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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>

- 本製品は52689-**87の梱包違い品、シリカゲル入りハイバリア仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE INCLUDING SILICAGEL FOR 52689-**87.
- 開梱後の保管条件に注意のこと。(PS-52689-038 参照)
REFER TO PS-52689-038 FOR CONDITIONS AFTER OPEN.
- ELV AND RoHS COMPLIANT.



MODEL NO.52689-**84

REVISED EC NO: J2008-0078 DRAWN: KSAITO01 2008/05/30 CHKD: HMATSUMOTO 2008/05/30 APPR: NUKITA 2008/05/30	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY M. NABEI	DATE '06/09/06	TITLE EMBOSSSED TAPE PKG. FOR 52689-**49 HIGH BARRIER PKG.				
		10 OVER 30 UNDER	± ---	CHECKED BY K. TOYODA	DATE '06/09/06	MOLEX INCORPORATED				
		30 OVER	± ---	APPROVED BY N. UKITA	DATE '06/09/06	DOCUMENT NO. SD-52689-047				
		ANGULAR	± --- °	MATERIAL NO. SEE TABLE			SHEET NO. 1 OF 5			
		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						

F

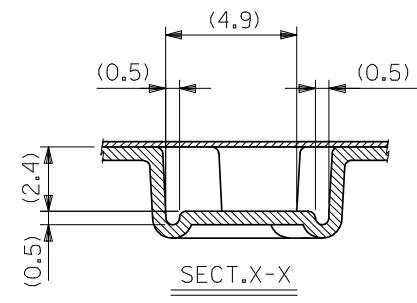
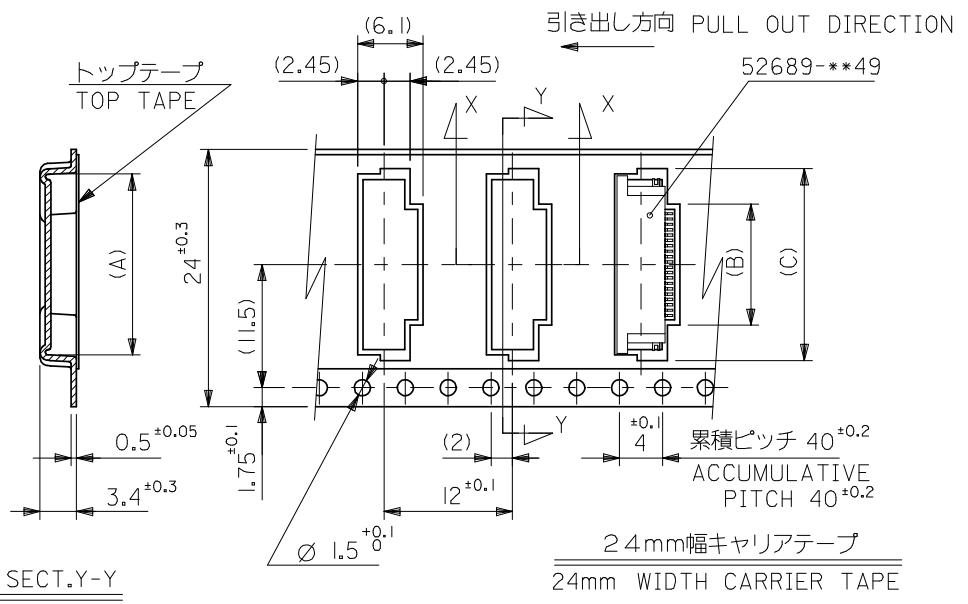
E

D

C

B

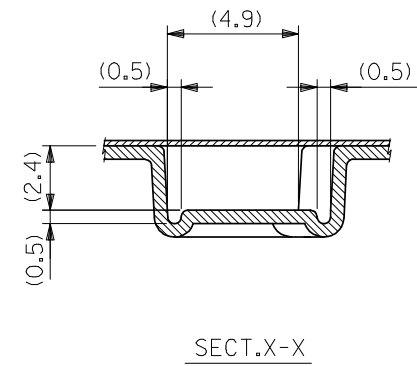
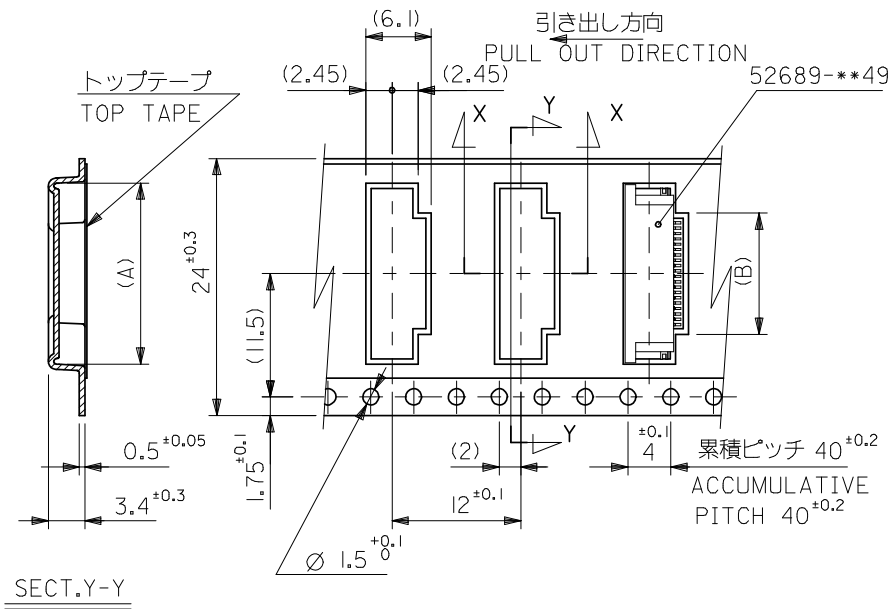
A



24	29.4	25.4	17.4	10.8	16.4	52689-2084	20
			16.9	10.3	15.9	-1984	19
			16.4	9.8	15.4	-1884	18
			15.4	8.8	14.4	-1684	16
			14.9	8.3	13.9	-1584	15
			14.4	7.8	13.4	-1484	14
			13.9	7.3	12.9	-1384	13
			13.4	6.8	12.4	-1284	12
			12.9	6.3	11.9	-1184	11
			12.4	5.8	11.4	-1084	10
			11.9	5.3	10.9	-0984	9
			11.4	4.8	10.4	-0884	8
10.9	4.3	9.9	-0784	7			
10.4	3.8	9.4	-0684	6			
9.9	3.3	8.9	52689-0584	5			

MODEL NO.52689-**84	キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	CIRCUIT
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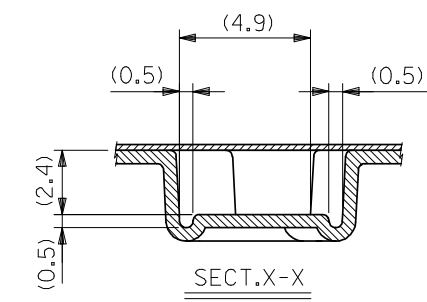
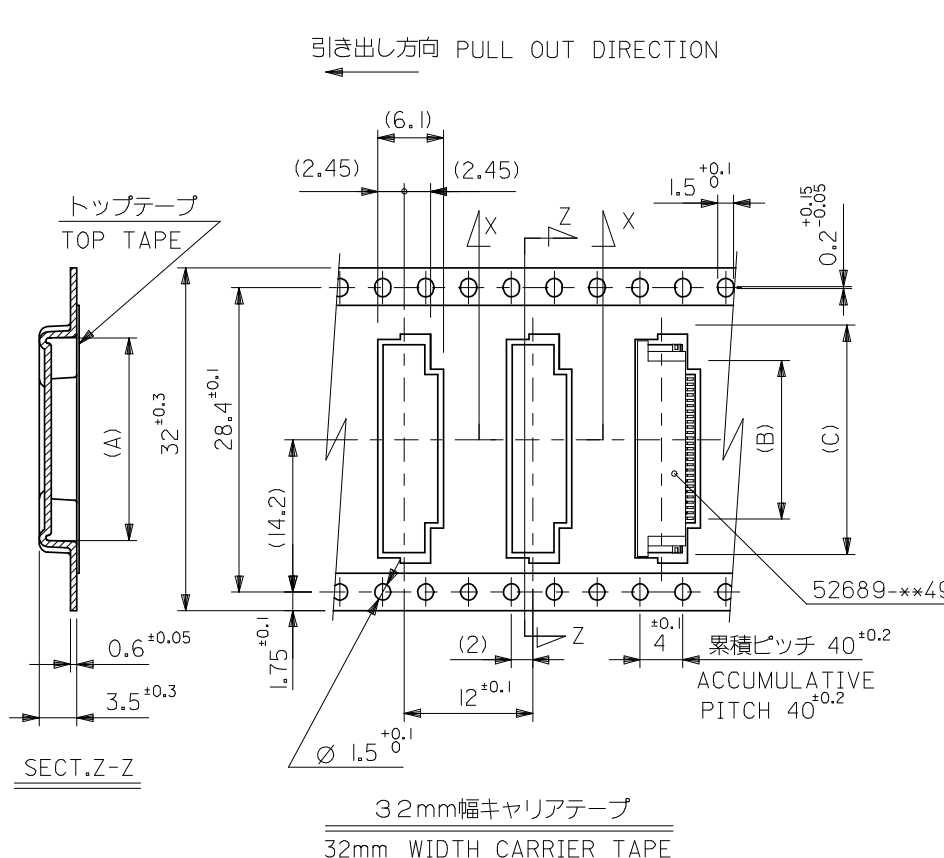
REVISED EC NO: J2008-0078 DRW:KSAITO01 2008/05/30 CH:KOHMATSUMOTO 2008/05/30 APPR:NUKITA 2008/05/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	± ---	DRAWN BY M. NABEI	DATE '06/09/06	TITLE EMBOSSSED TAPE PKG. FOR 52689-**49 HIGH BARRIER PKG.			
	10 OVER 30 UNDER	± ---	CHECKED BY K. TOYODA	DATE '06/09/06				
	30 OVER	± ---	APPROVED BY N. UKITA	DATE '06/09/06	MOLEX INCORPORATED			
	ANGULAR	± --- °	MATERIAL NO.	DOCUMENT NO.	SD-52689-047		SHEET NO. 2 OF 5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		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

52689-***84	24	29.4	25.4	11.3	16.9	52689-2184	21
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2008-0078 DRW:KSAIT001 2008/05/30 CH:KHMATSUMOTO 2008/05/30 APPR:NUKITA 2008/05/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	± ---	DRAWN BY M. NABEI	DATE '06/09/06	TITLE EMBOSSSED TAPE PKG. FOR 52689-***49 HIGH BARRIER PKG.			
	10 OVER 30 UNDER	± ---	CHECKED BY K. TOYODA	DATE '06/09/06				
	30 OVER	± ---	APPROVED BY N. UKITA	DATE '06/09/06	MOLEX INCORPORATED MATERIAL NO. SD-52689-047 DOCUMENT NO. SHEET NO. 3 OF 5			
	ANGULAR	± --- °	SEE TABLE					
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						

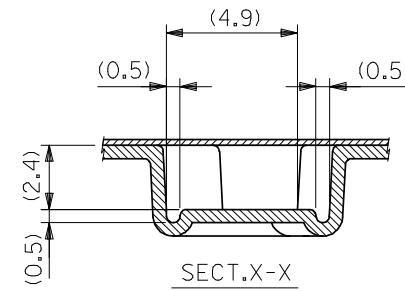
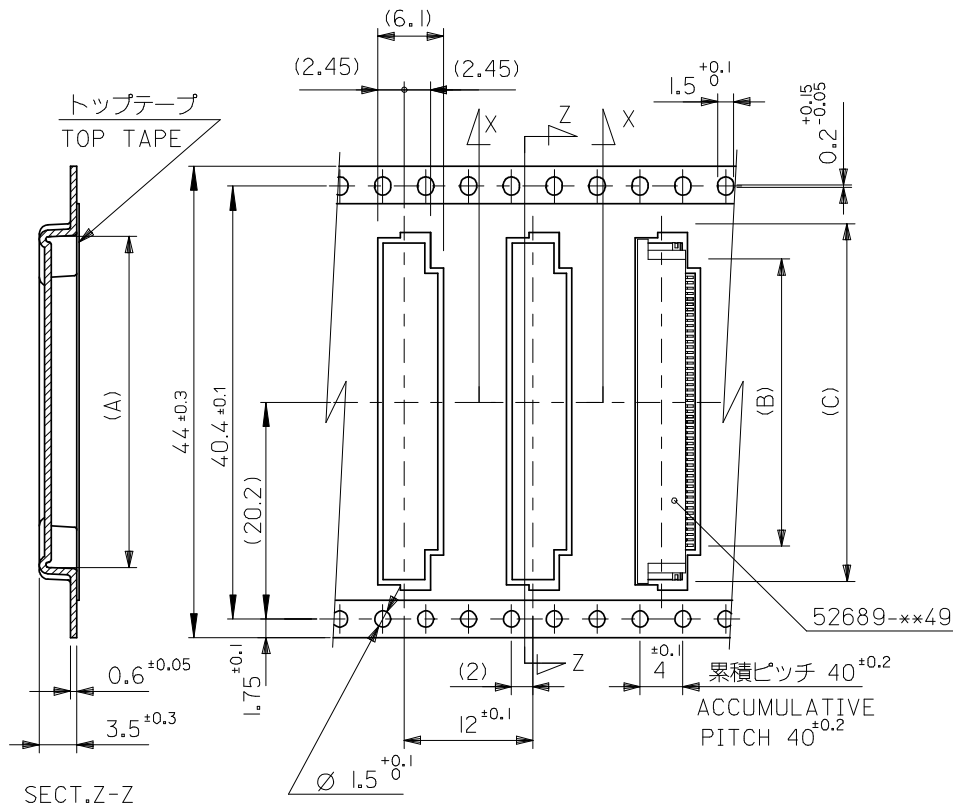


32	37.4	33.4	21.9	15.3	20.9	52689-2984	29
			21.4	14.8	20.4	-2884	28
			20.9	14.3	19.9	-2784	27
			20.4	13.8	19.4	-2684	26
			19.9	13.3	18.9	-2584	25
			19.4	12.8	18.4	-2484	24
			18.9	12.3	17.9	-2384	23
			18.4	11.8	17.4	52689-2284	22

MODEL NO.52689-**-84		キャリアテープ幅 CARRIER TAPE WIDTH		E	D	(C)	(B)	(A)	MATERIAL NO.	CIRCUIT	
GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		
10 UNDER		±---		DRAWN BY M. NABEI		DATE '06/09/06		TITLE EMBOSSSED TAPE PKG. FOR 52689-**-49 HIGH BARRIER PKG. MOLEX INCORPORATED			
10 OVER 30 UNDER		±---		CHECKED BY K. TOYODA		DATE '06/09/06					
30 OVER		±---		APPROVED BY N. UKITA		DATE '06/09/06					
ANGULAR ±--- °				MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE		SD-52689-047		4 OF 5			
REVISED EC NO: J2008-0078 DRW:KSAIT001 CHK:HMATSUMOTO APPR:NUKITA				DESCRIPTION REV		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

F

引き出し方向 PULL OUT DIRECTION



44 mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

C

D

E

F

F

E

D

C

B

B

A

A

REVISED		EC NO: J2008-0078		2008/05/30		DRW:KSAIT001		2008/05/30		CHK:HMATSUMOTO		2008/05/30		APPR:NUKITA		2008/05/30	
DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		MODEL NO.52689-**84		キャリアテープ幅 CARRIER TAPE WIDTH		44	
10 UNDER		± ---		MM ONLY		---		METRIC		◎ □		E		D		49.4	
10 OVER 30 UNDER		± ---		DRAWN BY DATE		TITLE		EMBOSSD TAPE PKG. FOR 52689-**49 HIGH BARRIER PKG.		MATERIAL NO.		52689-3084		CIRCUIT		30	
30 OVER		± ---		CHECKED BY DATE		MOLEX INCORPORATED		SD-52689-047		SHEET NO.		5 OF 5					
ANGULAR		± --- °		APPROVED BY DATE		DOCUMENT NO.		SD-52689-047									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.													
A		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													