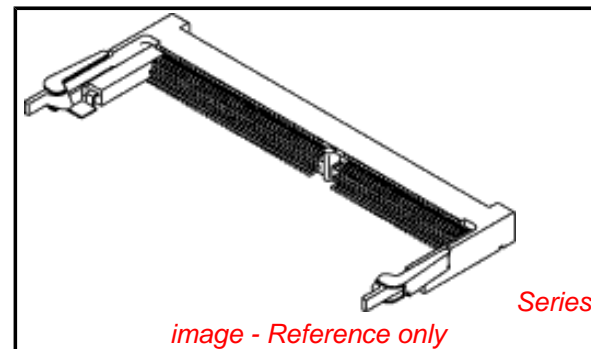


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0546987007**
Status: **Active**
Description: 0.80mm (.031") Pitch S.O. DIMM Socket, Right Angle, Surface Mount, 5.20mm (.205") Mounted Height, 144 Circuits, 5.0V Power Supply, Hard Tray Packaging, Height 9.00mm (.354") Type, Lead-free

Documents:

[3D Model](#) [Product Specification PS-54698-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)



General

Product Family	Memory Module Sockets
Series	54698
Comments	5.0V Power Supply
Component Type	Memory Module
JEDEC Outline	N/A
Product Name	S.O. DIMM

Physical

Circuits (Loaded)	144
Color - Resin	Natural
Durability (mating cycles max)	30
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	100V
Voltage Key	5.0V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54698-003
Sales Drawing	SD-54698-004, SD-54698-006

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**Halogen-Free
Status
Not Reviewed**

China RoHS



Need more information on product environmental compliance?

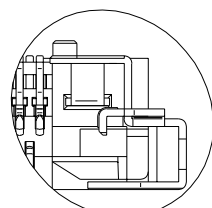
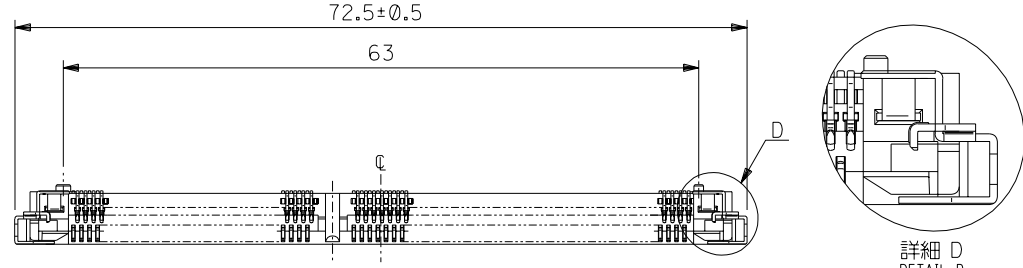
Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
54698Series

Mates With
JEDEC Standard DRAM and SDRAM modules

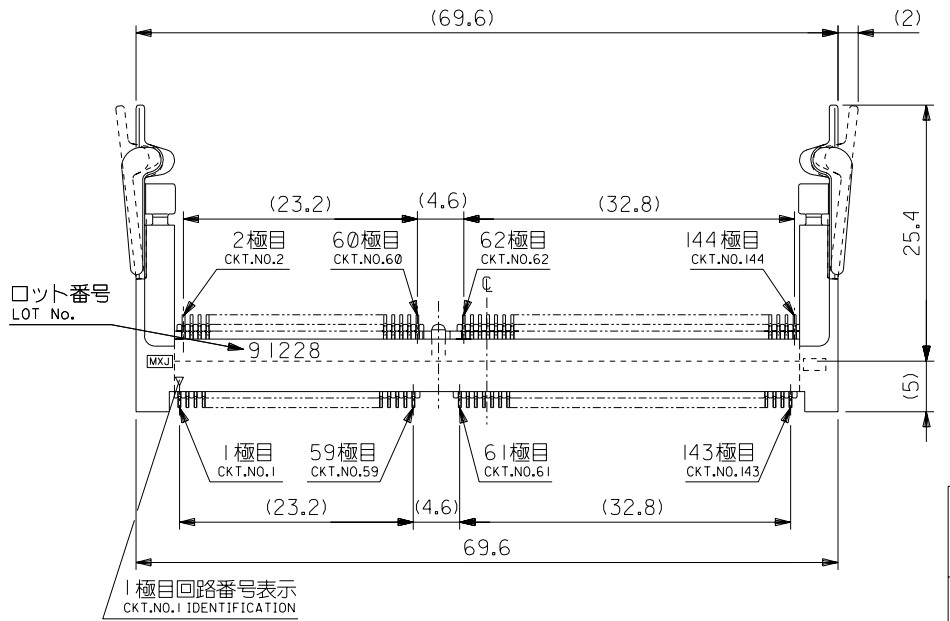
DWG. NO. SD-54698-004



詳細 D
DETAIL D
(SCALE 5:1)

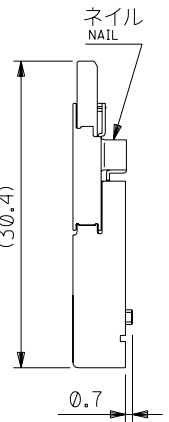
注記
NOTES

- 材料
MATERIAL
ハウジング : ガラス入り耐熱樹脂、白色、UL94V-0
ターミナル : 燐青銅
TERMINAL : PHOSPHOR BRONZE
ネイル : 黄銅
NAIL : BRASS
- めっき仕様
PLATING
ロングターミナル
LONG TERMINAL
接点部 : 金めっき 0.25μmMIN.
CONTACT AREA : GOLD 0.25 MICROMETER MINIMUM.
半田付け部 : 錫めっき 1.0μmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 2.0μmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MINIMUM.
ショートターミナル
SHORT TERMINAL
接点部 : 金めっき 0.25μmMIN.
CONTACT AREA : GOLD 0.25 MICROMETER MINIMUM.
半田付け部 : 錫めっき 1.0μmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 2.0μmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MINIMUM.
ネイル
NAIL
錫めっき : 1.0μmMIN.
TIN : 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 1.0μmMIN.
UNDER-PLATING : NICKEL 1.0 MICROMETER MINIMUM.
- テール平坦度は、0.1 MAX.とする。
TAIL COPLANARITY TO BE 0.1 MAX.
ネイル平坦度は、0.1 MAX.とする。
NAIL COPLANARITY TO BE 0.1 MAX.
- 本製品は54698-144*の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54698-144*.



ロット番号
LOT No.

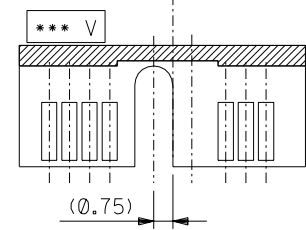
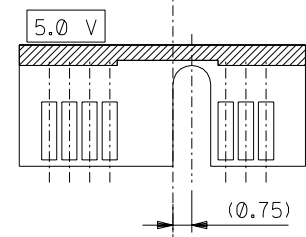
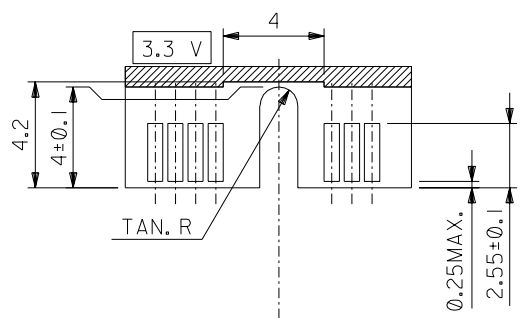
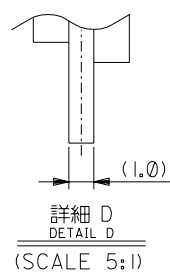
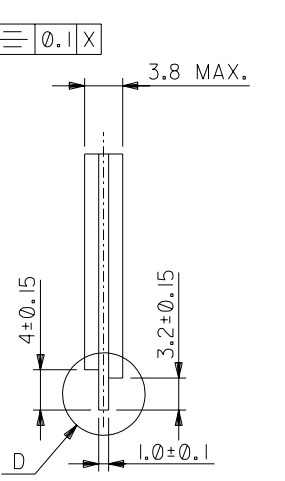
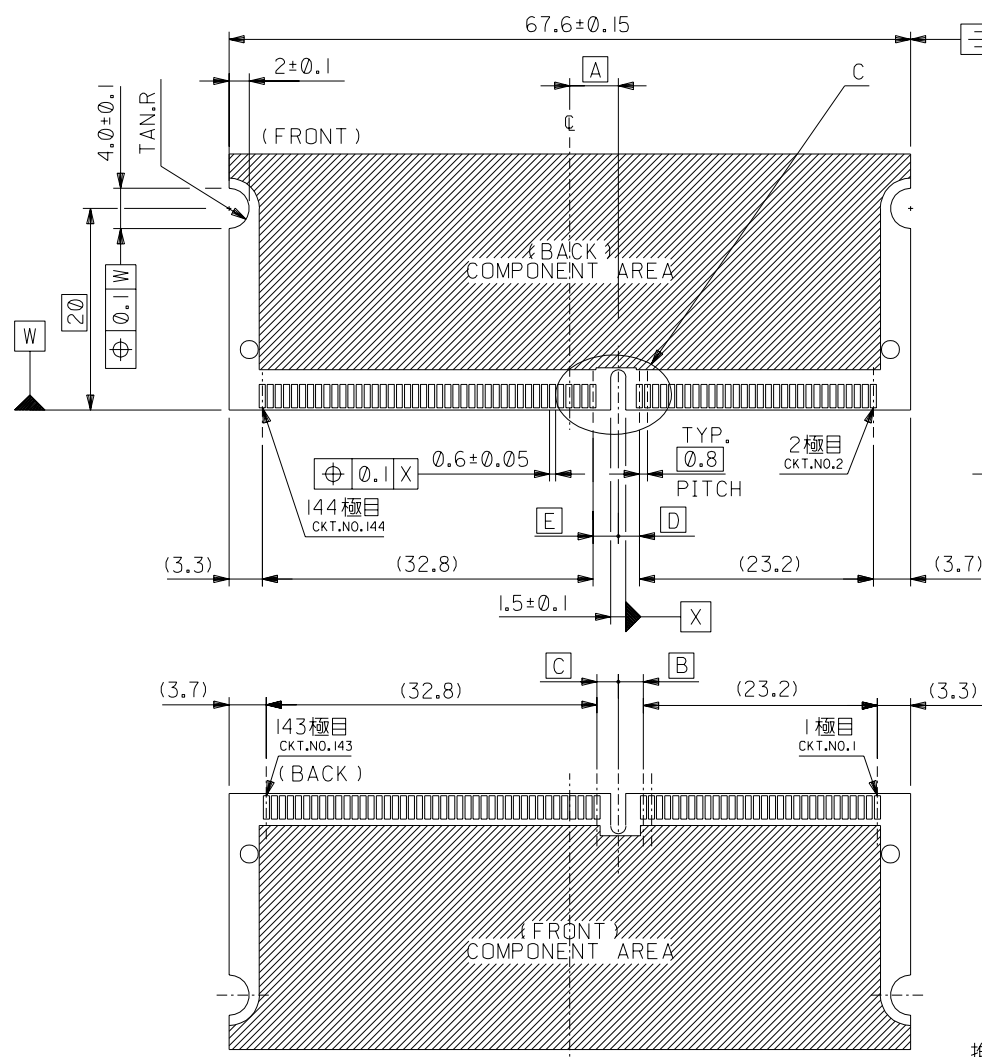
1極目回路番号表示
CKT.NO.1 IDENTIFICATION



1.75	2.85	1.35	3.25	4.05	***V	ハードトレイ(高さ9)	54698-7008	54698-700*
						ハードトレイ(高さ11)	54698-7005	
						標準トレイ	54698-7002	
3.25	1.35	2.85	1.75	5.55	5.0V	ハードトレイ(高さ9)	54698-7007	
						ハードトレイ(高さ11)	54698-7004	
						標準トレイ	54698-7001	
2.5	2.1	2.1	2.5	4.8	3.3V	ハードトレイ(高さ9)	54698-7006	
						ハードトレイ(高さ11)	54698-7003	
						標準トレイ	54698-7000	
E	D	C	B	A	POWER SUPPLY	梱包トレイ	MATERIAL NO.	

DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	<p>RELEASED EC NO. J2004-4231 DRWN: M.NAGATA CHK: K.TOJO APPR: M.SASAO</p>	<p>GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差</p> <p>10 UNDER 未満 ±0.2</p> <p>10 OVER 30 UNDER 未満 ±0.25</p> <p>30 OVER 以上 ±0.3</p>	<p>SCALE 2:1</p> <p>DESIGN UNITS <input checked="" type="checkbox"/>mm <input type="checkbox"/>INCH</p> <p>THIRD ANGLE PROJECTION</p>	<p>TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT 5.2mm -LEAD FREE-</p> <p>MOLEX MOLEX INCORPORATED</p>	<p>SH T REV</p> <p>REVISE ON CAD ONLY</p>	
EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	<p>WIRE RANGE 適用電線範囲</p>	<p>ANGLE 角度 ±3°</p>	<p>CAD FILENAME SD-54698-004.S01</p>	<p>MATERIAL NO. SEE CHART</p>	<p>DRAWING NO. SD-54698-004</p>	<p>SHEET NO. 1 OF 3</p>
<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.</p>										



詳細 C
DETAIL C
(SCALE 5:1)

推奨基板寸法
RECOMMENDED MATING BOARD CONFIGURATION
(THK:1.0±0.1)

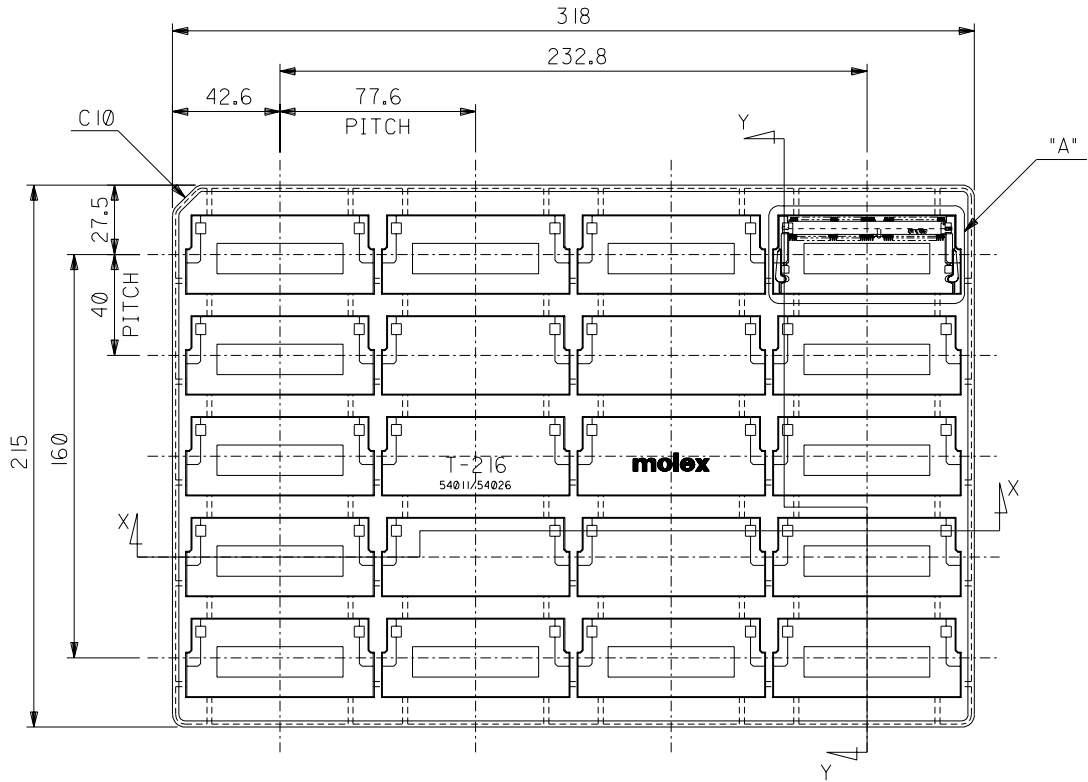
DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:
EC NO. SEE 1 OF 3					
DESCRIPTION					
MATERIAL 材料					
FINISH 仕上り					
WIRE RANGE 適用電線範囲					
INS. RANGE 被覆外径					

注記参照 SEE NOTES	
注記参照 SEE NOTES	

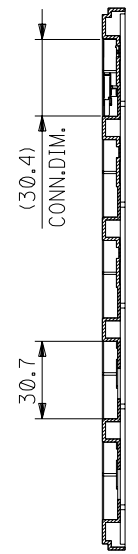
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	±0.2
10 OVER 以上 30 UNDER 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

MODEL NO.	54698-700*	DIMENSIONS:	SHT	REV
DESIGN UNITS	<input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	<input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY		
SCALE	2:1	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY
DRAWN BY & DATE	M.NAGATA '04/05/14	TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT 5.2mm -LEAD FREE-		
CHECKED BY & DATE	K.TOJO '04/05/14	MOLEX INCORPORATED		
APPROVED BY & DATE	M.SASAO '04/05/14	MATERIAL NO.	DRAWING NO.	SHEET NO.
CAD FILENAME	SD-54698-004.S03	SEE CHART	SD-54698-004	3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE B

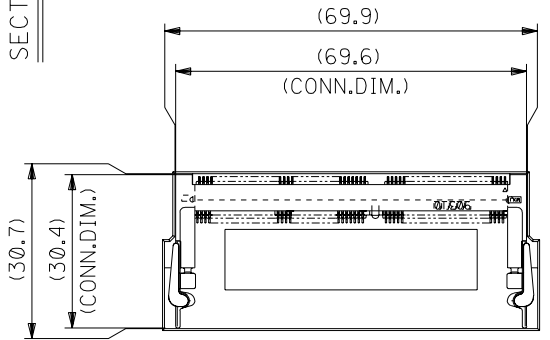


注記

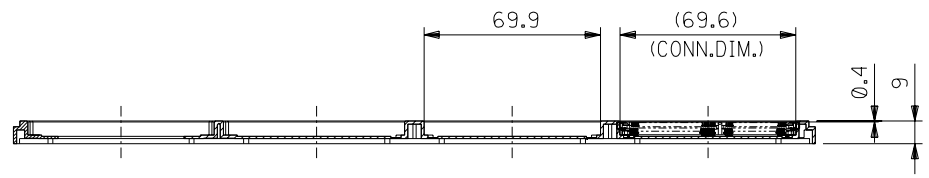
1. 一般公差：±0.5
GENERAL TOLERANCES: ±0.5
2. 各部の反りは2MAX.
WARP: 2MAX.
3. 1トレイの梱包数：20個
QUANTITY IN ONE TRAY: 20PCS.
4. 標準梱包数：400個
STANDARD PACKAGING QUANTITY: 400PCS.
5. 鉛フリー製品：54698-700*の梱包図面である。
PACKING DRAWING OF 54698-700*(LEAD FREE).



SECT. Y-Y



DETAIL A
(SCALE 1:1)



SECT. X-X

54698-7008	
54698-7007	T-216
54698-7006	
適用製品番号 APPLICABLE PART NO.	MATERIAL NO.
DIMENSIONS:	SHT REV
<input type="checkbox"/> mm <input type="checkbox"/> INCH	<input checked="" type="checkbox"/> mm ONLY
<input type="checkbox"/> mm <input type="checkbox"/> INCH	<input checked="" type="checkbox"/> INCH ONLY

64 NO. DRWN: CH'K: APPR:	63 NO. DRWN: CH'K: APPR:	62 NO. DRWN: CH'K: APPR:	61 NO. DRWN: CH'K: APPR:	RELEASED DRWN: M.NAGATA CH'K: K.TOJO APPR: M.SASAO
-----------------------------	-----------------------------	-----------------------------	-----------------------------	---

MATERIAL 材料 ポリスチレン POLYSTYRENE (帯電防止剤入り) (ANTI-STATIC)	FINISH 仕上げ //	WIRE RANGE 適用電線範囲 //	INS. RANGE 被覆外径 //
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GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 1:2	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	2888 PROJECTION
10 UNDER 未満 ±0.2	DRAWN BY & DATE M.NAGATA '04/05/14	TITLE: HARD TRAY FOR 0.8mm PITCH S.O.DIMM HS'G ASS'Y 144CKT. -LEAD FREE-	
10 OVER 以上 ±0.25	CHECKED BY & DATE K.TOJO '04/05/14	MOLEX MOLEX INCORPORATED	
30 OVER 以上 ±0.3	APPROVED BY & DATE M.SASAO '04/05/14	CAD FILENAME SD-54698-006.S01	MATERIAL NO. SEE CHART
ANGLE 角度 ±3°	SHEET NO. 1 OF 1	DRAWING NO. SD-54698-006	SIZE B

2888 DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			
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