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Part Number:

0559590830

Status:

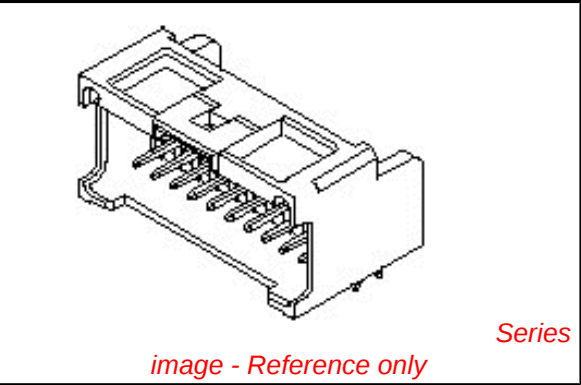
Active

Overview:

microclasp

Description:

2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 8 Circuits



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-51353-003 \(PDF\)](#)

[Product Specification PS-51353-010 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	55959
Application	Wire-to-Board
MolexKits	Yes
Overview	microclasp
Product Name	MicroClasp™
Physical	
Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.20 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Material Info	
Reference - Drawing Numbers	

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

55959Series

Mates With

51353 MicroClasp™ Wire-to-Board

Receptacle Housing

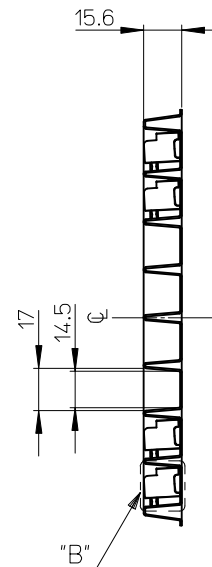
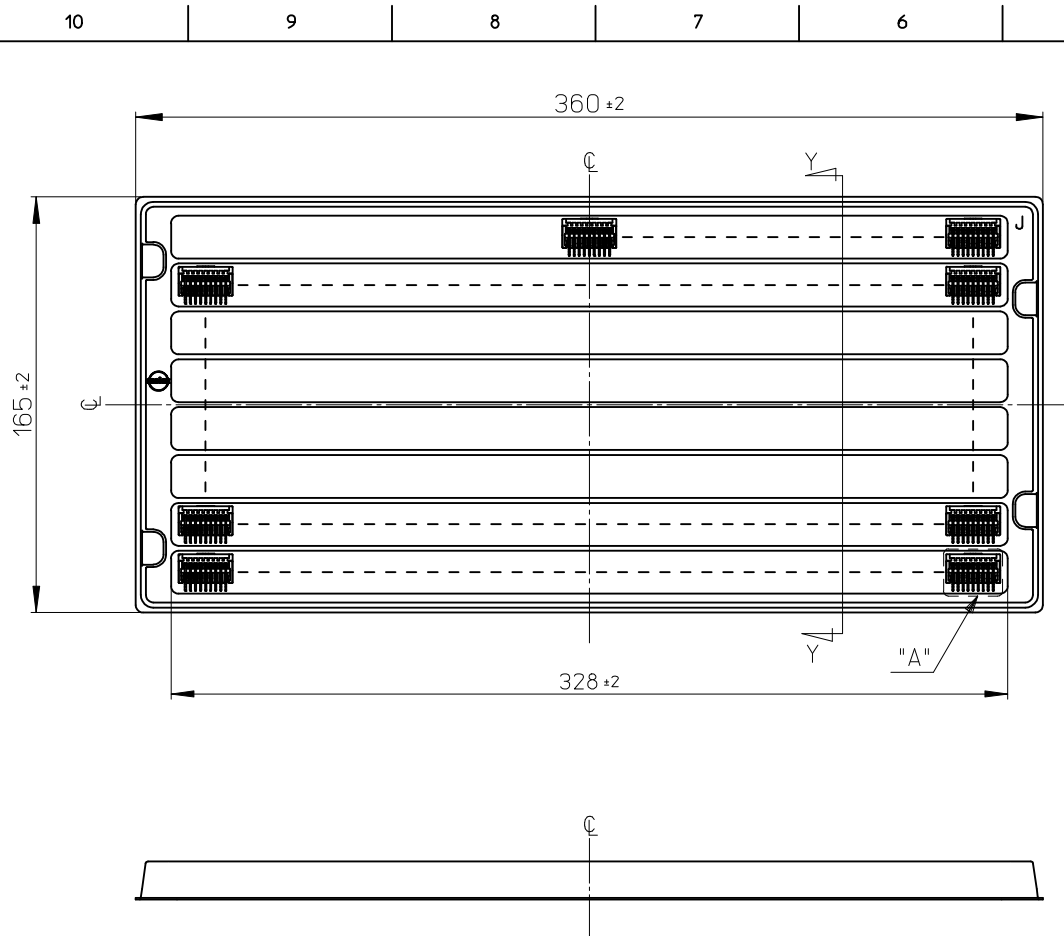
Packaging Specification
Product Specification

SPK-55959-001
PS-51353-003, PS-51353-010, RPS-51353-005,
RPS-51353-008, RPS-51353-009, RPS-51353-010,
RPS-51353-014, RPS-51353-017, RPS-51353-019,
RPS-51353-020, RPS-51353-021, RPS-51353-022,
RPS-51353-023, RPS-51353-024, RPS-51353-025,
RPS-51353-026, RPS-51353-028, RPS-51353-030
SD-55959-001, SD-55959-003

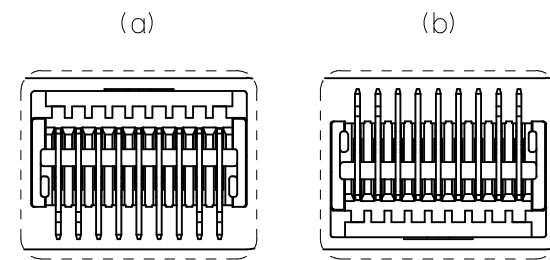
Sales Drawing

This document was generated on 06/07/2010

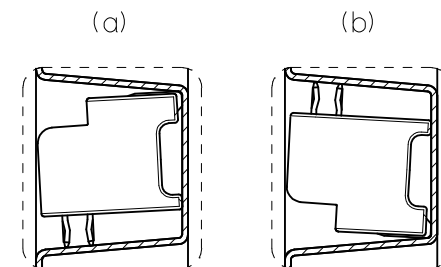
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SECT. Y-Y



DETAIL A
(SCALE 2:1)



DETAIL B
(SCALE 2:1)

注記

- 一般公差: ± 0.5
GENERAL TOLERANCES: ± 0.5
 - 各部の反りは2.0MAX.
WARP: 2.0MAX.
- △ トレイの中の製品の向きは (a) 又は (b) とし、かつ同一トレイ中の製品の向きはどちらか一方で統一
PRODUCT DIRECTION SHOULD BE (a) OR (b).
ALL PRODUCTS MUST FACED THE SAME DIRECTION IN THE TRAY.

RELEASED	EC NO: J2009-0955	DRWN:YOKUZO	2008/10/20	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	CHKD:THARUYAMA	2008/10/20	MM ONLY		1:2	METRIC					
	APPR:NUKITA	2008/10/20	DRAWN BY		DATE	TITLE					
			Y. TOKUZONO		2008/10/17	TRAY FOR 55959 (2.0MM W-T-B DUAL CONN. DIP PLUG HOUSING ASS'Y)					
			CHECKED BY		DATE	MOLEX INCORPORATED					
		T. HARUYAMA		2008/10/17	APPROVED BY		DATE	DOCUMENT NO.		SHEET NO.	
		N. UKITA		2008/10/17	MATERIAL NO.		098910030		SD-55959-001		1 OF 1
		ANGULAR		± --- °	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		A3									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



1. 材料 MATERIAL
ピン : 黄銅, 鍍メッキ
PIN : BRASS, TIN PLATING
ハウジング : PBT (ガラス入り:15%), UL94V-0
HOUSING : PBT(G.F.:15%), UL94V-0
2. 嵌合相手 : 51353シリーズ
MATE WITH : 51353 SERIES
3. ソルダーテールキンプは、両端の8ピンのみとする。
KINK TO BE APPLIED FOR 8 PINS
AT BOTH ENDS.

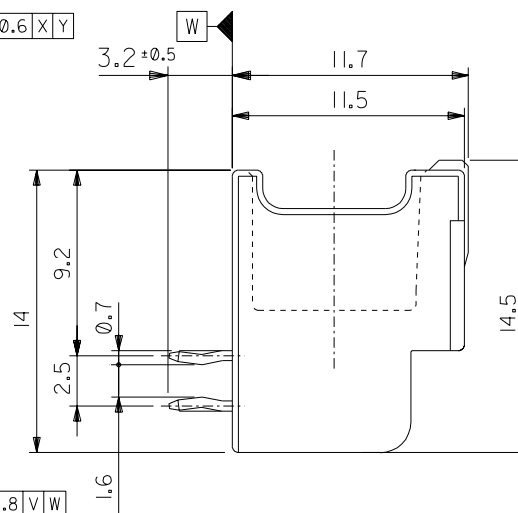
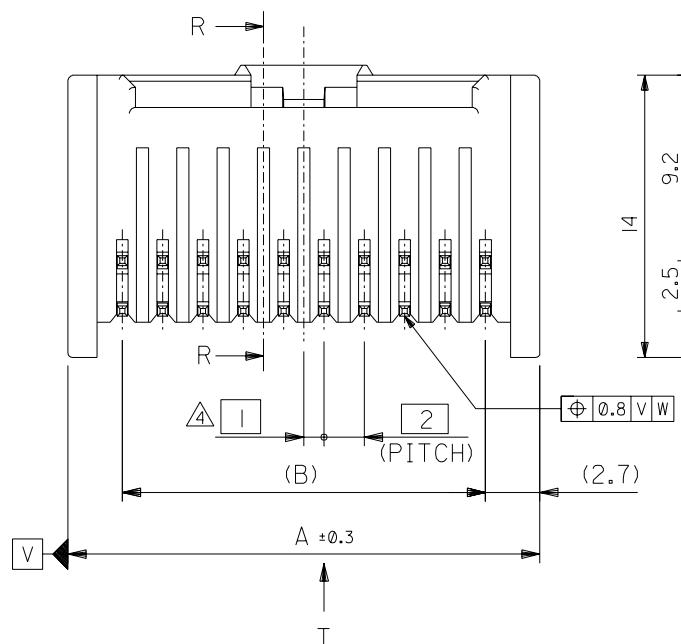
△ (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2) = EVEN

△5 製品番号
MATERIAL NO.

55959-**3*

極数 CIRCUIT SIZE	色 COLOR
2	白 WHITE
3	白 WHITE
4	白 WHITE
5	白 WHITE
6	白 WHITE
7	白 WHITE
8	白 WHITE
9	白 WHITE
10	白 WHITE
12	白 WHITE
15	白 WHITE
18	白 WHITE
20	白 WHITE
24	白 WHITE
28	白 WHITE
32	白 WHITE
36	白 WHITE
40	白 WHITE
48	白 WHITE
56	白 WHITE
64	白 WHITE
72	白 WHITE
80	白 WHITE
96	白 WHITE
128	白 WHITE
160	白 WHITE
192	白 WHITE
224	白 WHITE
256	白 WHITE
320	白 WHITE
384	白 WHITE
448	白 WHITE
512	白 WHITE
576	白 WHITE
640	白 WHITE
704	白 WHITE
768	白 WHITE
832	白 WHITE
896	白 WHITE
960	白 WHITE
1024	白 WHITE
1088	白 WHITE
1152	白 WHITE
1216	白 WHITE
1280	白 WHITE
1344	白 WHITE
1408	白 WHITE
1472	白 WHITE
1536	白 WHITE
1600	白 WHITE
1664	白 WHITE
1728	白 WHITE
1792	白 WHITE
1856	白 WHITE
1920	白 WHITE
1984	白 WHITE
2048	白 WHITE
2112	白 WHITE
2176	白 WHITE
2240	白 WHITE
2304	白 WHITE
2368	白 WHITE
2432	白 WHITE
2496	白 WHITE
2560	白 WHITE
2624	白 WHITE
2688	白 WHITE
2752	白 WHITE
2816	白 WHITE
2880	白 WHITE
2944	白 WHITE
3008	白 WHITE
3072	白 WHITE
3136	白 WHITE
3200	白 WHITE
3264	白 WHITE
3328	白 WHITE
3392	白 WHITE
3456	白 WHITE
3520	白 WHITE
3584	白 WHITE
3648	白 WHITE
3712	白 WHITE
3776	白 WHITE
3840	白 WHITE
3904	白 WHITE
3968	白 WHITE
4032	白 WHITE
4096	白 WHITE
4160	白 WHITE
4224	白 WHITE
4288	白 WHITE
4352	白 WHITE
4416	白 WHITE
4480	白 WHITE
4544	白 WHITE
4608	白 WHITE
4672	白 WHITE
4736	白 WHITE
4800	白 WHITE
4864	白 WHITE
4928	白 WHITE
4992	白 WHITE
5056	白 WHITE
5120	白 WHITE
5184	白 WHITE
5248	白 WHITE
5312	白 WHITE
5376	白 WHITE
5440	白 WHITE
5504	白 WHITE
5568	白 WHITE
5632	白 WHITE
5696	白 WHITE
5760	白 WHITE
5824	白 WHITE
5888	白 WHITE
5952	白 WHITE
6016	白 WHITE
6080	白 WHITE
6144	白 WHITE
6208	白 WHITE
6272	白 WHITE
6336	白 WHITE
6400	白 WHITE
6464	白 WHITE
6528	白 WHITE
6592	白 WHITE
6656	白 WHITE
6720	白 WHITE
6784	白 WHITE
6848	白 WHITE
6912	白 WHITE
6976	白 WHITE
7040	白 WHITE
7104	白 WHITE
7168	白 WHITE
7232	白 WHITE
7296	白 WHITE
7360	白 WHITE
7424	白 WHITE
7488	白 WHITE
7552	白 WHITE
7616	白 WHITE
7680	白 WHITE
7744	白 WHITE
7808	白 WHITE
7872	白 WHITE
7936	白 WHITE
8000	白 WHITE
8064	白 WHITE
8128	白 WHITE
8192	白 WHITE
8256	白 WHITE
8320	白 WHITE
8384	白 WHITE
8448	白 WHITE
8512	白 WHITE
8576	白 WHITE
8640	白 WHITE
8704	白 WHITE
8768	白 WHITE
8832	白 WHITE
8896	白 WHITE
8960	白 WHITE

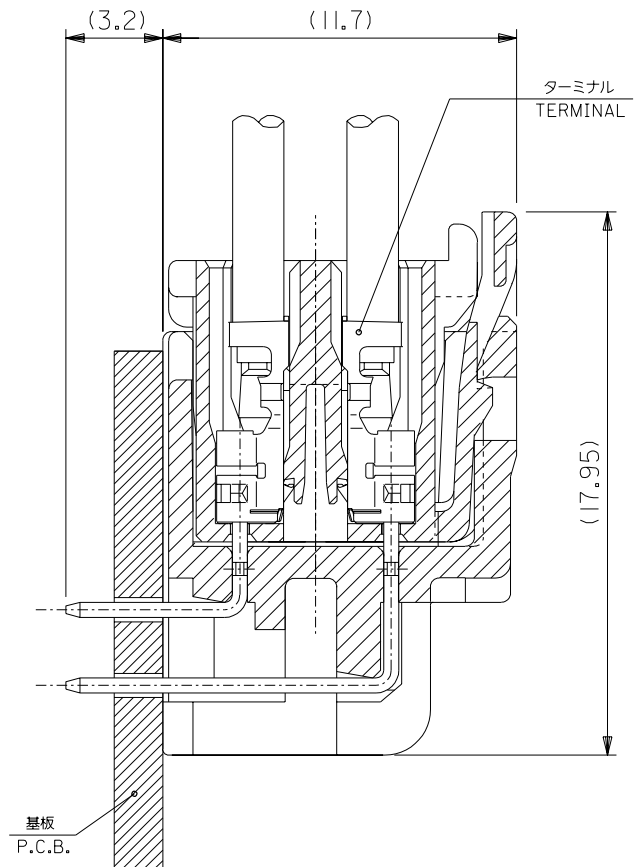
	ナチュラル (白) NATURAL (WHITE)	0
	黒 BLACK	1
OR	赤 RED	2
	黄 YELLOW	3
	青 BLUE	4
	桃 PINK	5
	緑 GREEN	6
	茶 BROWN	7
	橙 ORANGE	8
	紫 VIOLET	9



41.8	38	43.4	55959-403*	40
39.8	36	41.4	-383*	38
37.8	34	39.4	-363*	36
35.8	32	37.4	-343*	34
33.8	30	35.4	-323*	32
31.8	28	33.4	-303*	30
29.8	26	31.4	-283*	28
27.8	24	29.4	-263*	26
25.8	22	27.4	-243*	24
23.8	20	25.4	-223*	22
21.8	18	23.4	-203*	20
19.8	16	21.4	-183*	18
17.8	14	19.4	-163*	16
15.8	12	17.4	-143*	14
13.8	10	15.4	-123*	12
11.8	8	13.4	-103*	10
9.8	6	11.4	55959-083*	8
C	B	A	△ MATERIAL NO.	CKT.

EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			REVISED EC NO. J2004-3728 DRWN:Y.WADA '04/04/09 CHK: M.SASAO APPR:M.SASAO			REVISED EC NO. J2003-3290 DRWN:N.ITO '03/06/26 CHK: K.ASAKAWA APPR:T.YAMAGUCHI			DESCRIPTION			MATERIAL 材料 注記参照 SEE NOTES			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE --- DESIGN UNITS ☒ mm ☐ INCH			MODEL NO. THIRD ANGLE PROJECTION			☐ mm INCH ☐ mm INCH ☒ mm ONLY			REVISE ON CAD ONLY											
																		FINISH 仕上り //			10 UNDER 未満 ±0.2			DRAWN BY & DATE N.ITO '02/02/24			TITLE: 2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-																	
																					10 OVER 30 UNDER 以上 未満 ±0.25			CHECKED BY & DATE K.ASAKAWA '03/06/26																				
																					30 OVER 以上 ±0.3			APPROVED BY & DATE T.YAMAGUCHI '03/06/26			MOLEX INCORPORATED																	
																		WIRE RANGE 適用電線範囲 //			ANGLE 角度 ±3°			CAD FILENAME 55959003.S01												MATERIAL NO. SEE CHART			DRAWING NO. SD-55959-003			SHEET NO. 1 OF 3		
									F									E									REV			INS. RANGE 被覆外径 //			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.									SIZE B		

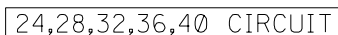
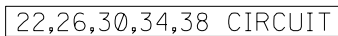
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MATED DRAWING (REF.)



EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REVISED EC NO. J2004-3728 DRWN: Y. WADA '04/04/09 CHK: M. SASAO APPR: M. SASAO	REVISED EC NO. J2003-3290 DRWN: N. ITO '03/06/26 CHK: K. ASAKAWA APPR: T. YAMAGUCHI	MATERIAL 材料 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	55959-***3*	MODEL NO.	DIMENSIONS:	SHT	REV
							SCALE --H--	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☐ mm INCH ☒ mm ONLY	REVISE ON CAD ONLY
						10 UNDER 未満	±0.2	DRAWN BY & DATE N. ITO '02/02/24	TITLE: 2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-		
						10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE K. ASAKAWA '03/06/26			
						30 OVER 以上	±0.3	APPROVED BY & DATE T. YAMAGUCHI '03/06/26			
						WIRE RANGE 適用電線範囲		CAD FILENAME 55959003.S02	MATERIAL NO. SEE CHART	DRAWING NO. SD-55959-003	SHEET NO. 2 OF 3
			F	E	REV INS. RANGE 被覆外径			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE B



VIEW "T"

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REVISED EC NO. J2004-3728 DRWN: Y. WADA '04/04/03 CHK: M. SASAO APPR: M. SASAO	REVISED EC NO. J2003-3290 DRWN: N. ITO '03/06/26 CHK: K. ASAKAWA APPR: T. YAMAGUCHI	MATERIAL 材料 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	55959-***3*	MODEL NO.	DIMENSIONS:	SHT	REV
							SCALE --	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☐ mm INCH ☒ mm ONLY	REVISE ON CAD ONLY
						10 UNDER 未満	±0.2	DRAWN BY & DATE N. ITO '02/02/24	TITLE: 2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-		
						10 OVER 30 UNDER 以上 未満	±0.25	CHECKED BY & DATE K. ASAKAWA '03/06/26			
						30 OVER 以上	±0.3	APPROVED BY & DATE T. YAMAGUCHI '03/06/26			
						WIRE RANGE 適用電線範囲	ANGLE 角度	CAD FILENAME 55959003.S03	MATERIAL NO. SEE CHART	DRAWING NO. SD-55959-003	SHEET NO. 3 OF 3
			F	E	REV INS. RANGE 被覆外径		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE B