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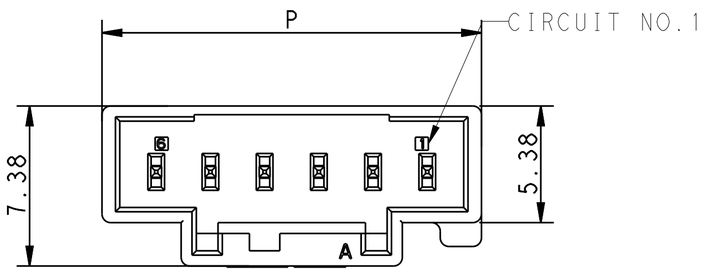
LOC	DIST
-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	ADD 4P/7P PRODUCT	28MAY2013	HJ.Z	YH.M
	C	ECR-13-015990	17OCT2013	HJ.Z	YH.M
	D	ECR-14-002989	28FEB2014	M.T	D.Z

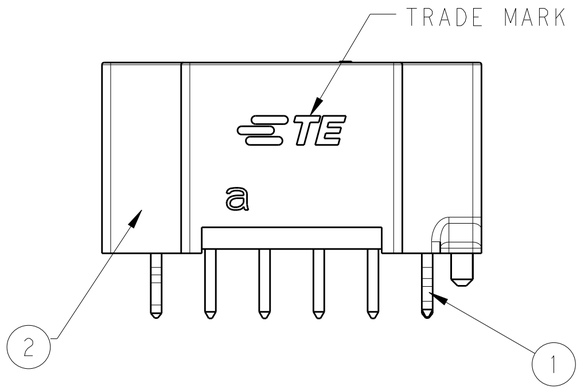
6Pos header housing assembly

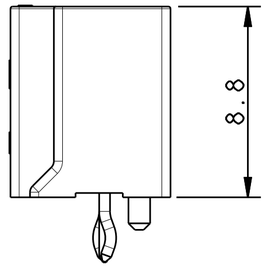
勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
http://www.100y.com.tw



NOTES:

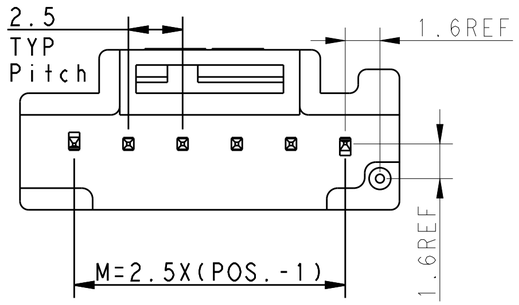
1. GENERAL TOLERANCE: ±0.3
2. MATERIAL SEE TABLE 1
3. MATING CONN. P/N:SEE TABLE(SHEET 3)

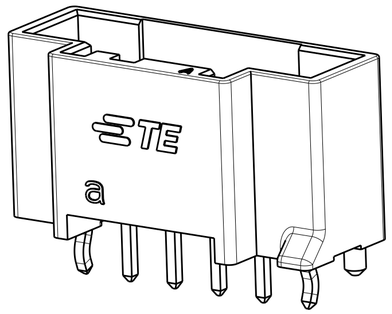




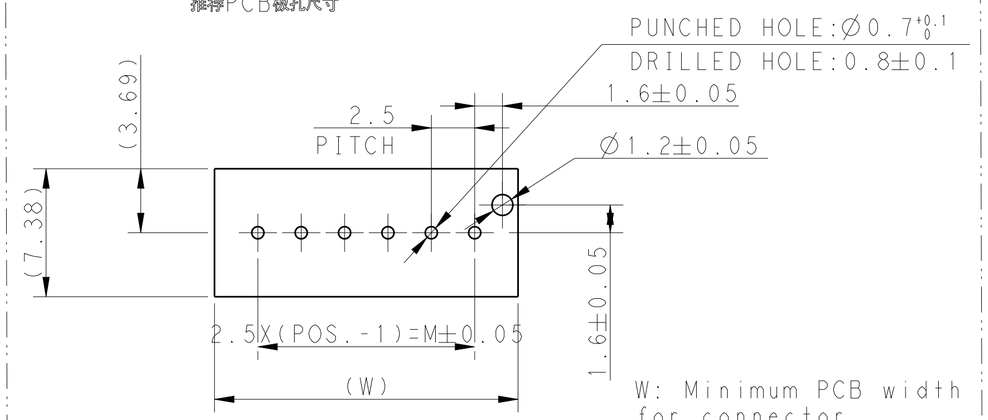
Ⓒ TABLE 1

NO.	PART NAME	MATERIAL
1	POST CONTACT	COPPER ALLOY, TIN PLATING
2	HEADER HOUSING	THERMO PLASTIC UL94 V-0





RECOMMENDATION PCB LAYOUT
推荐PCB板孔尺寸



W: Minimum PCB width for connector
W=(POS.+1)*2.5

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± 0.3
2 PLC ± 0.13
3 PLC ± 0.013
4 PLC ± 0.0001
ANGLES ± -

MATERIAL -
FINISH -

DWN	HJ.Z	28MAY2013
CHK	TIM.D	28MAY2013
APVD	YH.M	28MAY2013
PRODUCT SPEC	108-106077	
APPLICATION SPEC	-	
WEIGHT	-	

TE Connectivity

NAME HEADER ASSY, PITCH 2.5 WITH BOSS D1.0 NEXT GENERATION GRACE INERTIA CONNECTOR

SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO
A2	-	Ⓒ- 1971798	-

Customer Drawing | SCALE / | SHEET 1 OF 3 | REV D

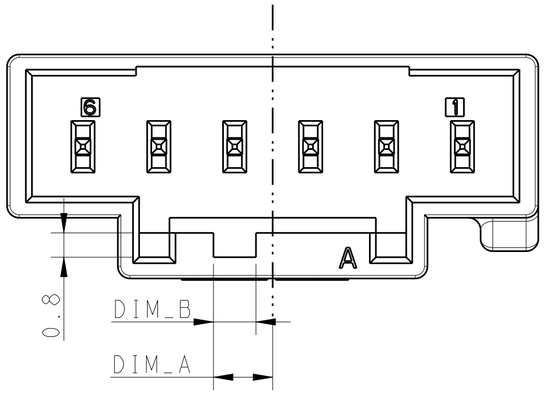
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LOC	DIST
-	-

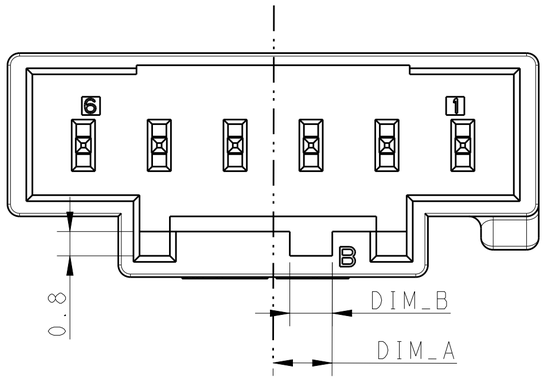
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

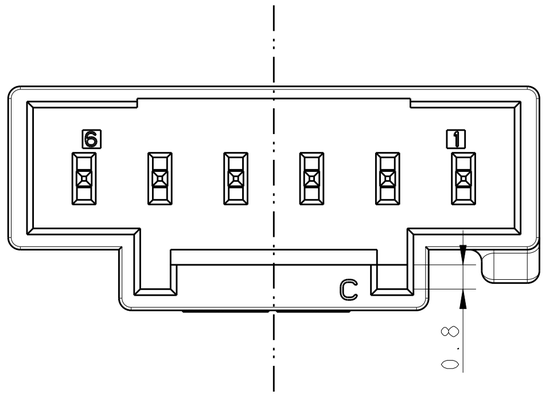
KEYING-A



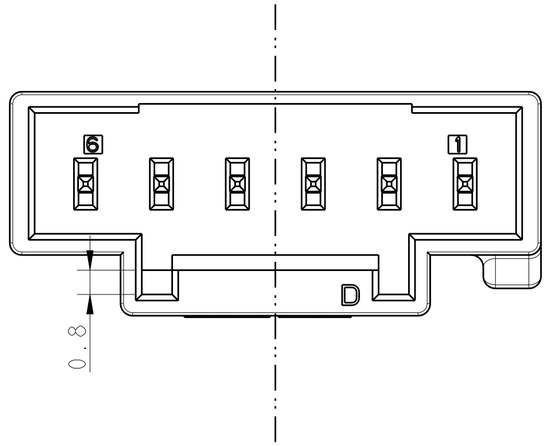
KEYING-B



KEYING-C



KEYING-D



DIMENSION MATRIX FOR KEYING

1.4	2.4	8P
1.4	2.4	7P
1.4	1.95	6P
1.4	1.95	5P
1.4	1.6	4P
1.4	1.3	3P
1.25	1.05	2P
DIM_B	DIM_A	POS.

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
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2 PLC ± 0.13
3 PLC ± 0.013
4 PLC ± 0.0001
ANGLES ± -

MATERIAL -
FINISH -

DWN HJ.Z 28MAY2013
CHK HJ.Z 28MAY2013
APVD YH.M 28MAY2013
PRODUCT SPEC 108-106077
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME HEADER ASSY, PITCH 2.5 WITH BOSS D1.0
NEXT GENERATION
GRACE INERTIA CONNETOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	-	C- 1971798	-

Customer Drawing | SCALE / | SHEET 2 OF 3 | REV D

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LOC	DIST
-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

MATING CONN P/N	P	M	Pos.	COLOR	KEYING	PART NUMBER	DESCRIPTION
3-2232701-4	10	5	3	YELLOW	D	3-1971798-4 △1	HEADER ASSEMBLY
3-2232701-2	10	5	3	BLUE	B	3-9171798-2 △1	
2-2232701-1	7.5	2.5	2	NATURAL	A	2-1971798-1 △1	
8-1971793-5	22.5	17.5	8	BLACK	D	8-1971798-5	
8-1971793-4				YELLOW	D	8-1971798-4	
8-1971793-3				RED	C	8-1971798-3	
8-1971793-2				BLUE	B	8-1971798-2	
8-1971793-1				NATURAL	A	8-1971798-1	
7-1971793-5	20.0	15.0	7	BLACK	D	7-1971798-5	
7-1971793-4				YELLOW	D	7-1971798-4	
7-1971793-3				RED	C	7-1971798-3	
7-1971793-2				BLUE	B	7-1971798-2	
7-1971793-1				NATURAL	A	7-1971798-1	
6-1971793-5	17.5	12.5	6	BLACK	D	6-1971798-5	
6-1971793-4				YELLOW	D	6-1971798-4	
6-1971793-3				RED	C	6-1971798-3	
6-1971793-2				BLUE	B	6-1971798-2	
6-1971793-1				NATURAL	A	6-1971798-1	
5-1971793-5	15.0	10.0	5	BLACK	D	5-1971798-5	
5-1971793-4				YELLOW	D	5-1971798-4	
5-1971793-3				RED	C	5-1971798-3	
5-1971793-2				BLUE	B	5-1971798-2	
5-1971793-1				NATURAL	A	5-1971798-1	
4-1971793-5	12.5	7.5	4	BLACK	D	4-1971798-5	
4-1971793-4				YELLOW	D	4-1971798-4	
4-1971793-3				RED	C	4-1971798-3	
4-1971793-2				BLUE	B	4-1971798-2	
4-1971793-1				NATURAL	A	4-1971798-1	
3-1971793-5	10.0	5	3	BLACK	D	3-1971798-5	
3-1971793-4				YELLOW	D	3-2232730-4	
3-1971793-3				RED	C	3-1971798-3	
3-1971793-2				BLUE	B	3-2232730-2	
3-1971793-1				NATURAL	A	3-1971798-1	
2-1971793-5	7.5	2.5	2	BLACK	D	2-1971798-5	
2-1971793-4				YELLOW	D	2-1971798-4	
2-1971793-3				RED	C	2-1971798-3	
2-1971793-2				BLUE	B	2-1971798-2	
2-1971793-1				NATURAL	A	2-2232730-1	

△1 Restricted to special customer (Hair)

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± 0.3
1 PLC ± 0.13
2 PLC ± 0.13
3 PLC ± 0.013
4 PLC ± 0.0001
ANGLES ± -

MATERIAL -

FINISH -

DWN HJ.Z 28MAY2013
CHK HJ.Z 28MAY2013
APVD YH.M 28MAY2013
PRODUCT SPEC 108-106077
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME HEADER ASSY, PITCH 2.5 WITH BOSS D1.0
NEXT GENERATION
GRACE INERTIA CONNETOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	-	C- 1971798	-

Customer Drawing | SCALE / | SHEET 3 OF 3 | REV D

Crimping Next Generation Grace Inertia Connector 2.5

新优雅系列 2.5 节距连接器 压接规格

1. Applicable Product Part Number

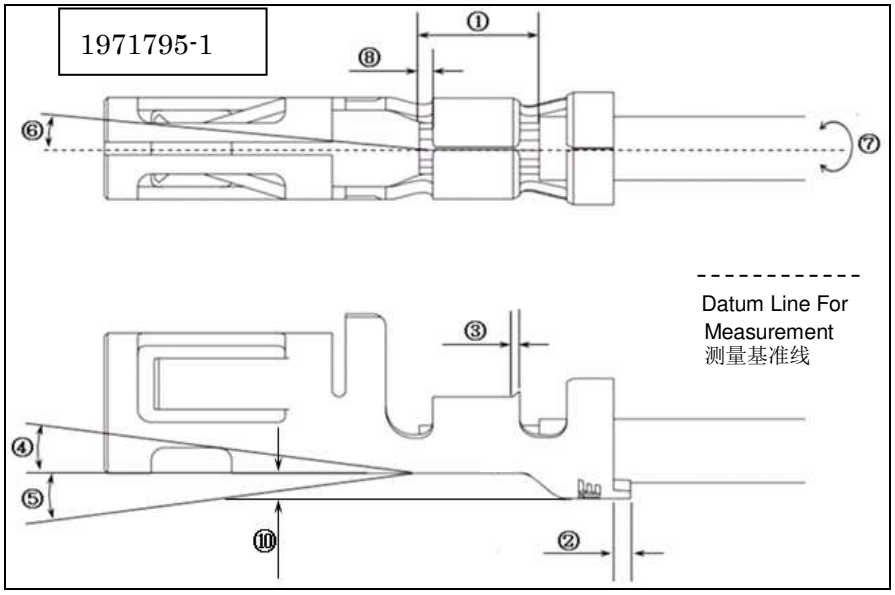
适用产品

Description 描述	Part No. 料号	Wire Size 适用线型 (mm^2)	Insulation Diameter 绝缘外径 (mm)	Remark 备注
Next Generation Grace Inertia Connector 2.5 Receptacle Contact 新优雅系列 2.5节距连接器 端子	1971795-1 2232557-1	(AWG 22#~28#) 0.079～0.38	φ 1.08～φ 1.5	Tin Plate Type 镀锡

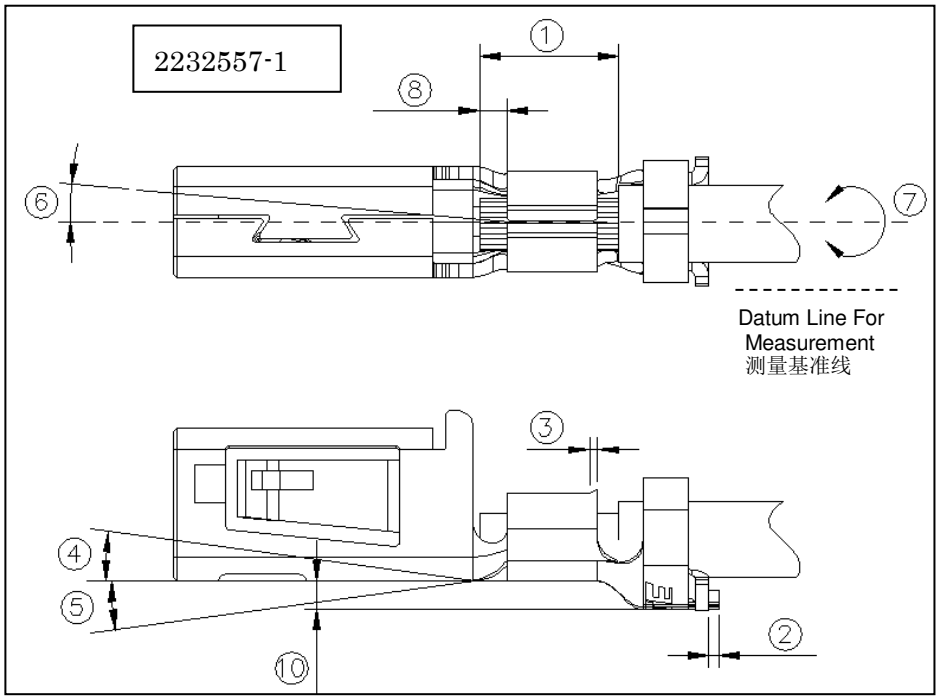
2. Crimping Requirement

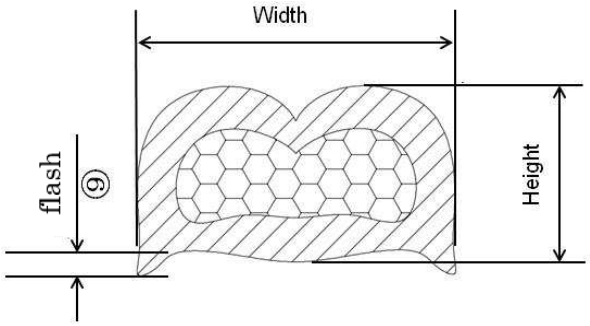
压接规格

NO.	Check Item 项目	Specified Requirements 规格值	NO.	Check Item 项目	Specified Requirements 规格值
①	Wire Stripping Length 剥线长度	2mm±0.3	⑥	Twisting 扭弯角度	3° Max
②	Cut-Off Tab Length 切断长度	0.25mm Max	⑦	Rolling 卷摆角度	5° Max
③	Rear Bellmouth Length 后喇叭口长度	0.13~0.50mm	⑧	Wire-End Length 线端伸出长度	0.1～0.65mm
④	Bend – Up 上翘角度	3° Max	⑨	Flash 压接凸边	0.2mm Max.
⑤	Bend – Down 下翘角度	3° Max	⑩	Wire to Insu.Jog 绝缘压接断差	0. 35mm Min.



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3. Crimping Data
压接参数

3.1 Applicator
自动工具

Contact Part No.(Strip) 端子料号（带料）	Applicator No. 工具编号	Wire size 线型		Insulation Stripping Length 绝缘层剥线长度（mm）	Wire barrel Crimp 线芯部分		Insulation Barrel width 绝缘部分压接宽度	Finished Insulation Diameter 卷缘压接完成直径 (mm)	Crimp Tensile Strength 压接拉伸强度 (N) (min.)
		No. of Conductors 导线数目	mm² (AWG) 截面积		Width 宽度 (mm)	Crimp Height 压接高度 (mm)			
1971795-1	X-2151948-X	1	0.079(Φ0.12/7) (#28)	2.0±0.3	1.16 (Ref) "F"shape* (Fs 型压接)	0.64±0.03	1.45 "F"shape* (F 型压接)	Φ1.08~Φ1.5	9.8
			0.12~0.15(#26)			0.67±0.03			19.6
			0.21~0.23(#24)			0.73±0.03			29.4
2232557-1	2836559-X		0.31~0.38(#22)			0.80±0.03			49

ss

1.1 Hand Tool

手动工具

Contact Part No.(Strip) 端子料号（带料）	Hand tool No 工具编号	Wire Size 线型		Insulation Stripping Length 绝缘层剥线长度 (mm)	Wire Barrel Crimp 线芯部分		Insulation Barrel Width 绝缘部分压接宽度	Finished Insulation Diameter 绝缘压接完成直径 (mm)	Crimp Tensile Strength 压接拉伸强度 (N) (Min)
		No. of Conductors 导线数目	mm² (AWG) 截面积		Width 宽度 (mm)	Crimp Height 压接高度 (mm)			
1971795-1 loose piece part number	NA	1	0.079(Φ0.12/7) (#28)	2.0±0.3	1.16 (Ref)	0.59~0.69	1.45 "F"shape* (F 型压接)	Φ1.08～Φ1.5	9.8
			0.12~0.15(#26)						19.6
			0.21~0.23(#24)			0.69~0.79			29.4
			0.31~0.38(#22)						49

* F shape: follow below diagram to do the crimp for shape “F”:

F 型压接：请参照下图所示形状进行 F 型压接：

