



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

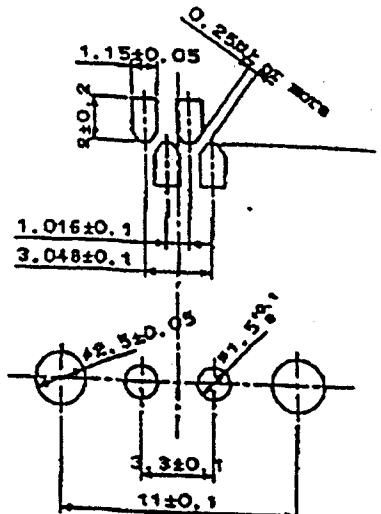
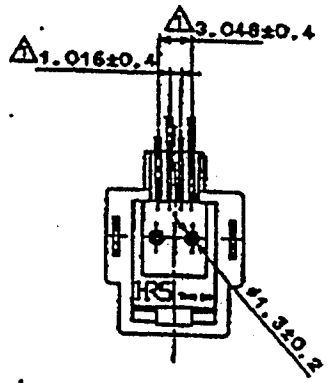
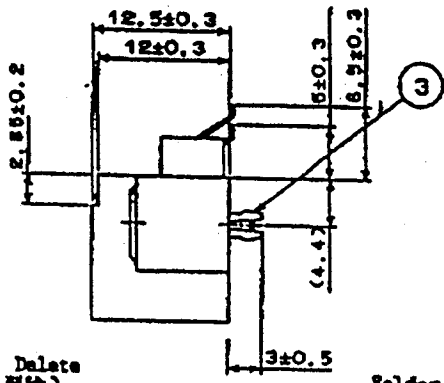
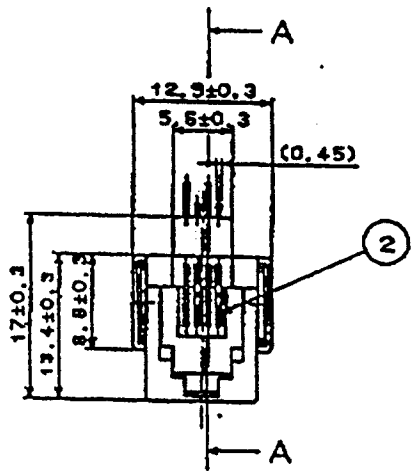
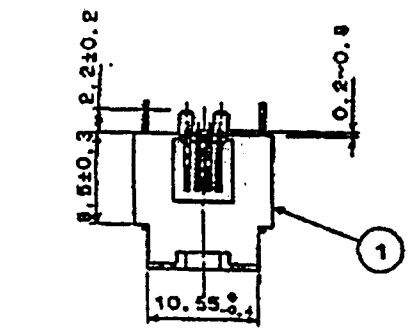
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NO.	訂正記号	訂正内容	年月日	訂正者	NO.	訂正記号	訂正内容	年月日	訂正者
NO.	DESCRIPTION OF REVISIONS	BY	DATE	BY	NO.	DESCRIPTION OF REVISIONS	BY	DATE	BY
3	RE-E-1606	修正内容							



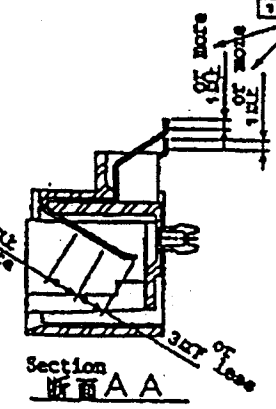
PCB Layout (Connector side)
基板取付寸法図(コネクタ側)
(適合基板厚 t = 1.6)
(Applicable PCB Thickness t =)

Notes
① 金めっき及びはんだめっき部以外のニッケルめっきとする。
Nickel plating on areas that are either gold or solder plated.

Delete (削除)

③ Solder plated area
はんだめっき部

① Gold plated area
金めっき部



- 3 Copper Alloy, Solder plating.
- 2 Phosphor bronze Contact area: Gold 1.27 micron meter
PCB area: Solder 3 micron meter
- 1 PPS resin, Black color

御参考図

2	銅合金	①	はんだめっき
1	PPS樹脂		色: 黒
3	銅合金		はんだめ
NO.	MATERIAL	地味, 備考	FINISH
GENERAL DIMENSION TOLERANCE		図面コード CODE NO. (OLD)	製図 DRAWN
寸法区分 OVER TO	公差 TOLERANCE		検査 CHECKED
6	±0.3		承認 APPROVED
8	±0.5	図名 DRAWING NAME	承認 APPROVED
18	±0.7	承認	承認 APPROVED
50	±1	承認	承認 APPROVED
125	±1.3	承認	承認 APPROVED
250	±2	承認	承認 APPROVED
角度 ANGULAR	±1		
承認		承認	
Preliminary drawing		承認	
HRS ヒロセ電機株式会社 HIROSE ELECTRIC CO., LTD.		図番 DRAWING No. ADC3-454	
縮尺 SCALE mm 2:1		部品コード PART No. TM15R-44	
		部品コード CODE No. CL222-2506	

Δ	Δ	REVISION	BY	CHKD	DATE	Δ	Δ	REVISION	BY	CHKD	DATE
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APPLICABLE STANDARD											
RATING	VOLTAGE	CONTACT NO.	AC	DC	APPLICABLE CABLES						
	CURRENT	CONTACT NO.			IMPEDANCE FREQUENCY RANGE	Ω (0 ~ Hz)					
	POWER				OPERATING TEMPERATURE RANGE	-25 °C ~ 60 °C					
	SPECIALITY										

SPECIFICATIONS

NO.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH			-	-	-	○	○
2	MARKING	Applicable Std. and ^{ADC} 3-45426 DC		-	-	-		
3	INSULATION RESISTANCE	Must be over standard value at DC. 100V		100	-	MΩ		
4	CONTACT RESISTANCE CONTACT	The voltage drop must be under the Std. value at DC 100 mA		-	200	mΩ		
	CONTACT	The voltage drop must be under the Std. value at DC A		-		mΩ		
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC 500V for one minute.		-	-	-		
6	VSWR	The must be under the Std value at frequency ~ Hz		-	-	-		
7	INSERTION LOSS	The must be under the std value at frequency ~ Hz		-	-	dB		
8	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC 20mV loss and mA .		-	-	mΩ		
9	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. value. at sizing gauge.				gf		
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.				kgf		
10	HUMIDITY	Insulation resistance must be over the Std. value at 40°C 90~95% 500H	at high humidity	JIS C5402	1	-	MΩ	-
			art. hi humidity	PARA 7.3	10	-	MΩ	-
11	VIBRATION	Must have no damage, crack and looseness of parts. at frequency range 0~55 Hz , Total amplitude 1.5 mm , G at 2 hours for 3 directions.	JIS C5402 PARA 6.1	-	-	-		
12	SHOCK	Must have no damage, crack and looseness of parts. 50G at 3 times for 3 directions.	JIS C5402 PARA 6.2	-	-	-		
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts. -55~85°C 5 cycles. hours	JIS C5402 PARA 7.2 con(1)(D)	-	-	-		
14	DURABILITY CONTACT	Must be less than the Std. value after 200 times insertion and extraction at the condition described in above item No. 4.		-	220	MΩ		
				-		mΩ		
5	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5% salt water spray. 48 hours.	JIS C5402 PARA 7.1	-	-	-		
6	WATER PRESSURE WITHSTANDING	No leakage at depth m kgf/cm² hours		-	-	-		
7	AIR PRESSURE WITHSTANDING	No leakage at pressure kgf/cm² min ...		-	-	-		

REMARKS REFLUX RESISTANCE: MUST HAVE NO ABNORMALITY WHEN PUT IN THE HEAT OF 240°C FOR 3 SECONDS.

APPROVED		ISSUED BY	HRS ELECTRIC CO., LTD
REVIEWED			
CHECKED			
DESIGNED			

DRAWN: _____ PART NO. **TH15R-44**

AWING NO. **CA-45426-** specification sheet CODE NO. **Q.222-2506-4-**