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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

2005/12/16 08:44:12 CAROL.TRIBBLE
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	−10 °C TO +60 °C
	VOLTAGE	AC 100 V, DC 140 V	———	———
	CURRENT	1 A	APPLICABLE CABLE	φ 6

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	10 mΩ MAX.	×	×
	CONTACT SHALL BE MEASURED AT DC — A	— mΩ MAX.	—	—
INSULATION RESISTANCE	100 V DC.	200 MΩ MIN.	×	×
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	——— BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES: —— N MIN.	—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES: 30 N MAX.	×	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 15 mΩ MAX.	×	—
		— RESISTANCE: — mΩ MAX.	—	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s^2 AT 2 h, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 2 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 20 MΩ MIN (AT DRY). ③NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55→R/T(①)→+85→R/T °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 200 MΩ MIN. ②NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN.	×	—
DRY HEAT	EXPOSED AT + 85 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD	EXPOSED AT − 25 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, + 350 °C, FOR SOLDERING DURATION, 3^{+1}_{0} s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, + 350 °C FOR SOLDERING DURATION, 2 TO 3 s.	WETTING ON SOLDER SURFACE . NO SOLDER CLUSTER.	×	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE(1) R/T : ROOM TEMPERATURE	H.Kawashima	H.Kawashima	T.Akiyama	M.Sato	
Unless otherwise specified, refer to JIS C 5402.	'05.11.21	'05.11.21	'05.11.25	05.11.26	

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. KMC9BPD−4P (71)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-007488−71	CL110−0013−8−71	1/1

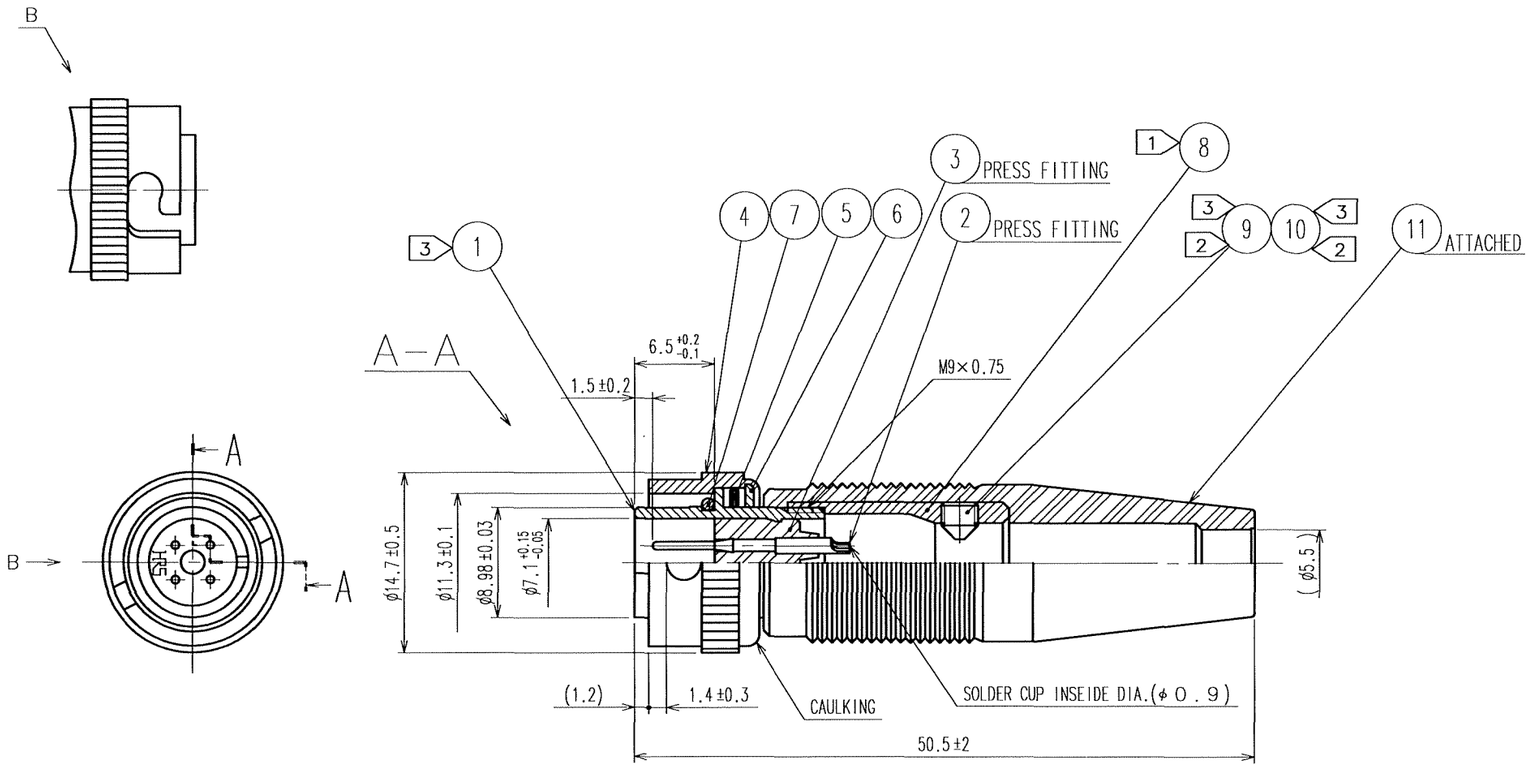
FORM No. 231-1

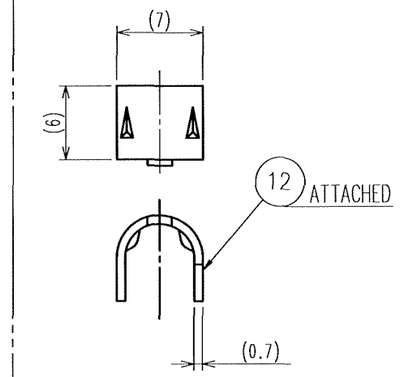
TO
R

2005/12/16 08:44:12 CAROL. TRIBBLE

参考図：ご確認用。正式には別途納入仕様書をご請求願います。

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					. .	△					. .
△					. .	△					. .
△					. .	△					. .





NOTE: 1 THE RECOMMENDED TIHTENING TORQUE,REF.NO.⑧: 1.5N・m.
2 THE RECOMMENDED TIHTENING TORQUE,REF NO.⑨AND ⑩ : 0.3N・m.
3 COATING WITH LOCTITE 242 MANUFACTURED BY HENKEL JAPAN OR EQUIVALENT IS RECOMMENDED TO PREVENT REF.NO.①,⑨ AND ⑩ FROM LOOSENING.
4 ONE EXAMPLE OF THE ROTATION OF REF.NO.④AND⑧TO REF.NO.①IS SHOWN.
5 SURFACE PLATING : GOLD PLATING 2μm min.
UNDER PLATING : NICKEL PLATING 3μm min.

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
6	BRASS	NICKEL PLATING	12	BRASS	
5	BERYLLIUM COPPER	NICKEL PLATING	11	CR	(BLACK)
4	BRASS	NICKEL PLATING	10	STEEL	NICKEL PLATING JIS B 1101 SLLOTED HEAD MACHINE SCREWS M3×0.5×2
3	POLYACETAL	(WHITE) INCLUDE GLASS 20%	9	STEEL	NICKEL PLATING JIS B 1177 HEXAGON SOCKET SET SCREW M3×0.5×3
2	BRASS	5	8	BRASS	NICKEL PLATING
1	BRASS	MATTE FINISH NICKEL PLATING	7	CR	(BLACK)

CODE NO.(OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H.Kawashima '05・11・21	H.Kawashima '05・11・21	T.Okuyama '05・11・25	M.Sato 05.11.26	

SCALE	DRAWING NO.	PART NO.
2 : 1	EDC3-007488-71	KMC9BPD-4P(71)
UNITS mm	HRS HIROSE ELECTRIC CO.,LTD.	CODE NO. CL110-0013-8-71 1/1

TO
R

FORM NO.229