

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1	RE-5-2715	K.C.J	A.B.H	21.11.29	△				
△	2	RE-5-3139	K.C.J	Y.W.S	24.04.02	△				
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE		-55℃ ~ +85℃(NOTE1)			STORAGE TEMPERATURE RANGE		-10℃ ~ +50℃		
	VOLTAGE		AC 125V			OPERATING OR STORAGE HUMIDITY RANGE		85% MAXIMUM (NON-CONDENSING)		
	CURRENT		3A MAX							
SPECIFICATIONS										
ITEM		TEST METHOD				REQUIREMENTS			QT	AT
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING			X	X
MARKING		CONFIRMED VISUALLY							X	X
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE IEC60512-2-1		100mA(DC or 1000Hz) <div>△2</div>				INITIALLY 20mΩ MAXIMUM(NOTE 2)			X	-
MECHANICAL CHARACTERISTICS										
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class 1.1		10 TIMES INSERTION AND WITHDRAWAL				① CONTACT RESISTANCE: AFTER TEST 30mΩ MAXIMUM ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.			X	-
INSERTION FORCE		MEASURED BY APPLICABLE CONNECTOR IN 5mm/min <div>△1</div>				10N MAX			X	-
WITHDRAWAL FORCE						2N MIN			X	-
VIBRATION AND HIGH FREQUENCY IEC60512-6-4		FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min SINGLE AMPLITUDE : 0.75mm, 10CYCLES FOR 3AXIAL DIRECTIONS <div>△2</div>				① NO ELECTRICAL DISCONTINUITY OF 1μs ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS ③ CONTACT RESISTANCE: AFTER TEST 30mΩ MAXIMUM			X	-
SHOCK IEC60512-6-3		ACCELERATION 490m/s2 STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.							X	-
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE IEC60512-11-4		25 CYCLES ( 1CYCLE = 1HOUR) TEMPERATURE : -55℃ TO +85℃				① CONTACT RESISTANCE: AFTER TEST 30mΩ MAXIMUM  ② NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.			X	-
DRY HEAT IEC60512-11-9		EXPOSED AT 85℃ FOR 250 HOURS							X	-
COLD IEC60512-11-10		EXPOSED AT -55℃ FOR 48 HOURS							X	-
DAMP HEAT(STEADY STATE) IEC60512-11-12		EXPOSED AT 85℃, 85%RH, 240 HOURS							X	-
CORROSION SALT MIST MIL-STD-202 Method 101		EXPOSED AT 35±2℃, 5% SALT WATER SPRAY FOR 48 HOURS							X	-
RECOMMENDED TEMPERATURE PROFILE		FOR REFLOW SOLDERING TEMPERATURE: 250℃, 10 SEC MAX 220℃ AND OVER, 60 SEC MAX				NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.			X	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245℃ FOR IMMERSION DURATION, 3 SEC.				SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.			X	-
REFERENCE										
REMARKS CONDITIONS FOR TESTING					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
(NOTE 1) : INCLUDE THE TEMPERATURE RISE BY CURRENT (NOTE 2) : CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE UNLESS OTHERWISE SPECIFIED. THE TEST SHOULD BE DONE UNDER TEMP 15 TO 35℃. AIR PRESSURE 86 TO 106kPA, RESLATIVE HUMIDITY 25 TO 85%.					K.G.YANG 17.09.27	K.G.YANG 17.09.27	B.H.AN 17.09.28	H.C.SONG 17.09.28	<div>ENG</div> <div>24.04.02</div> <div>DEPT</div>	
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST										
HIROSE KOREA CO.,LTD.			SPECIFICATION SHEET				PART NO. KP21A-1P(800)			
CODE NO.(OLD) CL		DRAWING NO. ELC3-632370			CODE NO. CL 6515-0001-3-800			1/1		