

	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 24.04.02 DEPT</div>		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
HIROSE KOREA CO.,LTD.			SPECIFICATION SHEET				PART NO. KP21A-1S(800)				
CODE NO.(OLD) CL			DRAWING NO. ELC3-632371			CODE NO. CL 6515-0002-6-800			1 1		