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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
<b>APPLICABLE STANDARD</b>											
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								
<b>SPECIFICATIONS</b>											
ITEM		TEST METHOD				REQUIREMENTS			QT	AT	
<b>CONSTRUCTION</b>											
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING			X	X	
MARKING		CONFIRMED VISUALLY							X	X	
<b>ELECTRICAL CHARACTERISTICS</b>											
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-1		OPEN VOLTAGE 20 mV AC MAX TEST CURRENT 10mA				INITIALLY 20mΩ MAXIMUM(NOTE 2)			X	-	
<b>MECHANICAL CHARACTERISTICS</b>											
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/sec				10N MAX			X	-	
WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR IN 5mm/sec				2N MIN			X	-	
VIBRATION AND HIGH FREQUENCY IEC60512-6-4		FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 1.52 mm FOR 5 MINUTE IN 3 DIRECTIONS				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/s <sup>2</sup> STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.							X	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>											
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 IMMERSSED.			X	-	
<b>REFERENCE</b>											
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			
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			