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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
	9	RE-5-1840	Y.K.G	A.B.H	17.12.12		2	RE-5-2935	K.C.J	A.B.H	23.01.11
	2	RE-5-2287	K.C.J	A.B.H	19.09.11						
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-40℃ ~ 85℃ (NOTE1)			STORAGE TEMPERATURE RANGE		-10℃ TO 60℃ (WITH PACKING)			
	VOLTAGE		AC 10 V			OPERATING OR STORAGE HUMIDITY RANGE		95% MAXIMUM (NON-CONDENSING)			
	CURRENT		0.5A								
SPECIFICATIONS											
ITEM		TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION											
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				X	X
MARKING										X	X
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-1		OPEN VOLTAGE 20 mV AC MAX TEST CURRENT 1mA				INITIALLY 100mΩ MAXIMUM (NOTE2)				X	-
INSULATION RESISTANCE IEC60512-3-1		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500V DC				INITIALLY 1000MΩ MINIMUM				X	-
VOLTAGE PROOF IEC60512-4-1		500Vrms AC IS APPLIED FOR 1 MINUTEMINUTE				① NO FLASHOVER OR BREAKDOWN ② CURRENT LEAKAGE 1mA MAXIMUM				X	X
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class 1.1		-NANO SIM CARD 5,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE -MICRO SD CARD 10,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE NOTE : AFTER EACH 10 CYCLES STOP THE INSERTION AND REST THE CONNECTOR FOR 5 TO 10 MINUTES. CARD SURFACE SHALL BE CLEANED BY AIR BLOW: AT EACH 100 CYCLES INTERVAL(10 TIMES) FROM START TO 1,000 CYCLES. AT EACH 1,000 CYCLES INTERVAL(9 TIMES) FROM 1,001 CYCLES TO 10,000 CYCLES.				① CONTACT RESISTANCE: AFTER TEST 50mΩ MAXIMUM CHANGE ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.				X	-
CARD INSERTION FORCE		MEASURED BY APPLICABLE CARD AT 25± 3mm/min				1N TO 7N (NOTE3)				X	-
CARD EJECTION FORCE											
VIBRATION AND HIGH FREQUENCY IEC60512-6-4		FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75mm FOR 4h IN X,Y,Z 3 DIRECTIONS, TOTAL 12h				① NO ELECTRICAL DISCONTINUITY OF 1us ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS. ③ CONTACT RESISTANCE AFTER TEST 50mΩ MAXIMUM CHANGE				X	-
SHOCK IEC60512-6-3		ACCELERATION 490m/s ² STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.								X	-
REFERENCE DRAWING											
REMARKS (NOTE1) : INCLUDE THE TEMPERATURE RISE BY CURRENT (NOTE2) : 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%. (NOTE3) : IT MAY BE CHANGED ACCORDING TO THE TRAY/CARD MATERIAL AND DIMENSIONS.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
					J.Y.JUNG 16.08.08	J.Y.JUNG 16.08.08	B.H.AN 16.08.08	H.C.SONG 16.08.08	<div>ENG 23.01.11 DEPT</div>		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
HIROSE KOREA CO.,LTD.					SPECIFICATION SHEET				PART NO. KP15B-6S-SF(800)		
CODE NO.(OLD) CL			DRAWING NO. ELC4-631968				CODE NO. CL 6538-0005-8-800				1 2

SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE IEC60512-11-4		5 CYCLES(1CYCLE=1HOUR) WITH CARD MATED CONDITION (TEMPERATURE : -55℃ TO 85℃ , RELOCATION TIME TO CHAMBER : WHITIN 5MIN)			
DRY HEAT IEC60512-11-9		EXPOSED AT 85℃ FOR 96 HOURS WITH CARD MATED CONDITION		① CONTACT RESISTANCE : AFTER TEST 50mΩ MAXIMUM CHANGE	
COLD IEC60512-11-10		EXPOSED AT -40℃ FOR 96 HOURS WITH CARD MATED CONDITION		② INSULATION RESISTANCE : AFTER TEST 100MΩ MINIMUM	
DAMP HEAT STEADY STATE IEC60512-11-3		EXPOSED AT 40℃ , 80% , 96 HOURS WITH CARD MATED CONDITION		③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	
CORROSION SALT MIST IEC60068-2-11		EXPOSED AT 35±2℃ , 5% SALT WATER SPRAY FOR 48Hr			
RECOMMENDED TEMPERATURE PROFILE		SEE THE FOLLOWING CONDITION, NUMBER OF CYCLE 1 TIME (NOTE4)		NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	
(NOTE4)					
<p>Temperature (°C)</p> <p>Time (s)</p> <p>25℃</p> <p>60</p> <p>120</p> <p>150℃</p> <p>200℃</p> <p>230℃</p> <p>MAX 260℃</p> <p>Preheating</p> <p>Soldering</p> <p>(60 sec.)</p> <p>(60~120 sec.)</p> <p>(30 sec.)</p>					
REFERENCE DRAWING					
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST					
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