	COUNT	DESCRIPTION OF	REVI	SIONS	BY	CHKD	DATE	ļ.,	COUN	NT	DESCRIP	TION OF RE	VISIONS	BY	СНКІ	D DA	\TE
À								Ļ		4							
	 					<u> </u>		Δ									
APF	-LICA	BLE STANDARD	<u>,                                    </u>	ı						Q+^-	rage		<u> </u>				
		Operating Temperature Range			-55°C	to 10	5°C (No	te1)			torage -10°C to +60°			-60°C	(Note:	3)	
RATING		Operating Humidity Range		20% to 80% (Note2) Sto						Stor	torage Humidity ange 40% to 70% (Note3				Note3)		
		Applicable Connector Voltage		tor DF51K-6S-2C(###)							4			AWG 30 : 0.5A AWG 28			: 1A
				250V AC/DC							AWG 22-26 : 2A			Α			
						S	PECI	FIC	ATIC	ONS	3						
		ITEM			TES	ST ME	THOD					REQUIR	EMENT:	<u> </u>		QT	AT
CO	NSTR	UCTION															
Gene	eral Exa	mination	Visual	ly and b	y meas	uring in	strument				\ ooording	to drawing.				0	0
Mark				med vis							According	to drawing.				0	0
ELE	ECTRI	CAL CHARAC	TERI	STICS	3												
Cont	act Res	istance	20mV	MAX, 1	mA (DC	or 100	)0Hz).			3	80 mΩ MA	X.				T 0	
Millivolt Level Method																	oxdot
Insul	ation Re	esistance	500 V DC.							1	I ΩM 000,	MIN.				0	-
Voltage Proof			650 V AC for 1 min.							N	No flashover or breakdown.				0	-	
ME	CHAN	ICAL CHARAC	TER	ISTIC	<u>s</u>											-!	-
						ıd extra	ction			C	1)Contact	resistance:	30mΩ MA	X			Г
Mechanical Operation (Sn Plating)			30 times insertion and extraction.						- 1	②No damage, crack or looseness of parts.				0	-		
Mech	nanical (	Operation	50 times insertion and extraction.						(-	①Contact resistance: 30mΩ MAX					$\Box$		
(Au Plating)			and and addition						- 1	②No damage, crack or looseness of parts.				0	-		
Matir	ng and i	ınmating	It takes out and inserts with a conformity connector.						tor.	①Insertion Force: 38.0N MAX							
force (Sn Plating)			1						- 1	②Extraction Force: 1.5N MIN				0	-		
Matir	ng and u	ınmating	It take	s out ar	nd inser	ts with	a conforr	nity c	onnect	tor.	1)Insertion	Force: 29.7	N MAX				
force (Au Plating)										②Extraction Force: 1.5N MIN				0	-		
Vibration			Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.							′  `	①No electrical discontinuity of 1 $\mu$ s. ②No damage, crack or looseness of parts.				0	-	
 Shock			Acceleration 490 m/s <sup>2</sup> duration of pulse 11 ms at 3							_	<del></del> 1						
			times for 3 directions.													0	-
EΝ	VIRON	IMENTAL CHA	RAC	TERIS	STICS	3											
	p Heat						nidity 90 f	to 95	%, 96 k	n. [6	1)Contact	resistance:	30 mΩ M4	λX.			
			Exposed at 40 $\pm$ 2 $^{\circ}$ C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)							(2	②Insulation resistance: 500MΩ MIN. ③No damage, crack or looseness of parts.				0	-	
Rema Note		de the temperature	rising	by curr	ent.							<u> </u>		1- 01. 6			-
		ondensing	. <b>.</b>	Laure !			ا است	المطا	.c	_  _	.	l	1		1		
Note		y to the condition o idity range is applie	_		_		-		tore p	cb on	n board, af	ter pcb board	ı , operatir	ng temp	eratur	e and	
	nulli	rango io applic	J 101 III		.J. 480 (	U	. aopoi (c										
							$\overline{}$	DRAW	/N	וח	ESIGNED	CHECKE		PROVE	<u>,                                     </u>	RELEA:	SED
						J.S CHO			J.S CHO S.M.L					ENG			
							21.05.14			21.05.14 21.05.1			202		2023.0	7.24	
Unless otherwise specified, refer to IEC 60512.					4	21.00.14		′	21.00.17		14 21.05.14 DEPT			''/			
NOT		QUALIFICATION			SURAN	ICE TE	ST O: A	PPLIC	CABLE	TES	т	•					
	LITE	SE KODEA OO	I TD			CDEC		101	CUL			PART NO.					
		OSE KOREA CO	.,LID.			SPEC	'ILICA I	FICATION SHEET			DF51K-6P-2H(805)						
	E NO.(OL	D)						CODE	NO. CL 6652-0075-8-805			305					
CL			ELC4-633490				オプリ	)			<u> </u>					v 4	

Rapid Change of	Temperature $-55$ °C → $+105$ °C	①Contact resistance: 30 mΩ MAX.				
Temperature	Time 30min → 30min	②Insulation resistance: 1,000MΩ MIN.	0	–		
	Under 5 Cycles.	③No damage, crack or looseness of parts.				
	(The transferring time of the tank is 2 to 3 MIN)					
	(After leaving the room temperature for 1 to 2h.)					
Dry Heat	Exposed at 105±2 °C, 96h	①Contact resistance: 30 mΩ MAX.				
		②Insulation resistance: 1,000MΩ MIN.	0	-		
		③No damage, crack or looseness of parts.				
Cold	Exposed at -55±3 °C, 96h	①Contact resistance: 30 mΩ MAX.				
		②Insulation resistance: 1,000MΩ MIN.	0	-		
		③No damage, crack or looseness of parts.				
Resistance To Soldering	Reflow time	No deformation of case of excessive looseness				
Heat	Number of reflow cycles : 2cycles MAX	of the terminals.				
	Duration above 220°C, 60sec. MAX.		0	-		
ı	Peak temperature : 250°C 10sec. MAX					
Solderability	Soldering temperature: 245 °C	New uniform coating of solder shall cover				
	Duration of immersion :soldering, for 5 sec.	minimum of 95 % of the surface Being	0	-		
		immersed.				
Recommended	REFLOW TEMPERATURE PROFILE USING LEAD-FREE SOLDER PASTE (	וספרפספגורבו				
Temperature Profile	250 - 10s MAX NUME 250 - 180 60s MAX ADDI 150 - 90-120s PCB THE	BER OF REFLOW CYCLES 2CYCLES MAX. TEMPERATURE IS MEASURED IN THE TERMINAL LEAD PART. ITIONAL FACTORS, SUCH AS SOLDER PASTE TYPE, SIZE AND OTHER MOUNTED COMPONENTS COULD AFFECT PROFILES. THEREFORE, A THOROUGH EVALUATION OF NTING CONDITION IS REQUIRED PRIOR TO PRODUCTION.				

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST									
HIROSE KOREA O	O.,LTD.	SPECIFICATI	ION SHEET	PART NO.  DF51K-6P-2H(805)					
CODE NO.(OLD) CL	DRAWIN	IG NO. ELC4-633490	CODE NO.	CL 6652-0075-8-805	2/2				