	COUNT	DESCRIPTION O	F REVI	SIONS	BY	CHKD	DATE		COU	NT	DESCF	RIPTION OF RE	VISIONS	BY	CHKE	D/	\TE
Δ						À											
	I Di ICAI	<u> </u> BLE STANDAR	<u> </u>					Δ									
AFI	LIOAI	Operating Temperature Ra		-55°C to 105°C (Note1) St						etorage -10°C to +60°C		+60°C	C (Note3)				
RATING		Operating Humid Range	dity								torage Humidity 40% to 70% (N			ote3)			
	TING	Applicable Con	DF51K-10DS-2C(###)						Cui			AWG 30 : 0.5A AW AWG 26 : 1.5A		'G 28 : 1A			
		Voltage	250V AC/DC							AWG 22-24 : 2A			A				
			•				PECI	FIC	ATIO	NC	S						1
\sim		ITEM UCTION			TES	ST ME	THOD					REQUIR	EMENT	<u>s</u>		QT	AT
		mination	Visuall	y and b	y meas	uring in	strument									То	0
Mark	ing		Confirmed visually.							According to drawing.					0	0	
ELE	CTRI	CAL CHARAC	TERI	STICS	S												
Contact Resistance Millivolt Level Method			20mV MAX, 1mA (DC or 1000Hz).								30 mΩ MAX.					0	_
		esistance	500 V DC.								1,000 MΩ MIN.					0	<u> </u>
Volta	age Prod	of	650 V AC for 1 min.								No flashover or breakdown.				+		
															0	_	
		ICAL CHARA								1	30 .		00 0 144				ı
Mecr	nanical (Operation (Sn Plating)	30 times insertion and extraction.								_		t resistance: 30mΩ MAX age, crack or looseness of parts.				_
Mechanical Operation (Au Plating)			50 times insertion and extraction.								①Contact resistance: 30mΩ MAX ②No damage, crack or looseness of parts.				0	_	
Mating and appropriate a			It takes out and inserts with a conformity connector.						tor	①Insertion Force: 48.2N MAX							
Mating and unmating force (Sn Plating)										②Extraction Force: 2.7N MIN				0	-		
Matir force		inmating (Au Plating)		s out ar	nd inser	ts with	a conforr	nity c	onnect		_	ion Force: 31.2N ction Force: 2.5I				0	-
Vibra	ation			ency 10 cycles f			le amplitı	ıde 0	.75 mm		_	ectrical disconti mage, crack or			s.	0	-
Shock			Acceleration 490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.							t 3					o	_	
EΝ	VIRON	MENTAL CH	ARAC	TERI	STICS	S											
Damp Heat (Steady State)			Exposed at 40 \pm 2 $^{\circ}$ C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.))	②Insula	Contact resistance: 30 m Ω MAX. Insulation resistance: $500M\Omega$ MIN. No damage, crack or looseness of parts.			0	-	
Note	1: Inclu 2: No c 3: Appl	de the temperature condensing y to the condition of idity range is applie	of long t	term sto	orage fo		-		efore p	cb o	n board,	after pcb board	l , operatir	ng temp	erature	and	
								DRAV	٧N		DESIGNE	D CHECKI	ED AI	PPROVE	:D	RELEA	SED
						J.	S CI	ЮІ	J.S CHOI S.M.L		OI S.M.LI	м т.	S KAN	I /		\rightarrow	
Unles	s other	vise specified, refer t	18.03.02						18.03.02				20. 02. 13 DEPT				
NOT		: QUALIFICATION			SSURA	NCE TE	ST O: A	PPL	ICABL	E TE	EST		l				
HIROSE KOREA CO.,LTD. SPECIFICATION SHE							SHE	ΕT		PART NO.	51K-10F)P-2N	S(805)			
CODI	E NO.(OI	_D)		DRAWING NO. CODE NO				NO.	DF51K-10DP-2DS(805) NO. CL 6652-0055-0-905					1 /			
CL			ELC4-632479				479				CL 6652-0055-0-805					/ 2	

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Rapid Change of	Temperature $-55 ^{\circ}\text{C} \rightarrow +105 ^{\circ}\text{C}$	①Contact resistance: 30 m Ω MAX.		
Temperature	Time 30min → 30min	②Insulation resistance: $1,000M\Omega$ 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: 1,000M Ω MIN.	0	l –
		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	①Automatic soldering (flow)	No deformation of case of excessive looseness		
Heat	Soldered at solder temperature,	of the terminals.		
	260 $^{\circ}\text{C}$ for in immersion , duration, 5 s.			
	②Manual soldering		0	_
	Soldering iron temperature :270 °C,			
	Soldering time :3s.			
	No strength on contact.			
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.		

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST									
				PART NO.					
HIROSE KOREA CO.,LTD) .	SPECIFICATION	N SHEET	DF51K-10DP-2DS(805)					
CODE NO.(OLD)	DRAWIN	G NO.	CODE NO.	CL 6652-0055-0-805	2/				
CL		ELC4-632479		OL 0002 0000 0 800	/ 2				