C		DESCRIPTION OF	- REVISIO	NS	BY	СНКД	DATE		cou	лт	DESCF		EVISIONS	BY	CHKD		ATE
Δ								Δ									
Δ								Δ									
APPL		BLE STANDARD)							101							
RATING		Operating <u>Temperature Rar</u> Operating Humid								Ten	torage -10°C to +60°C (No emperature Range torage Humidity 40% to 70% (Note			(Note	3)		
		Range		20% to 80% (Note2) Ra						Ran				ote3)			
		Applicable Conn	ector	c						Cur	urrent AWG 30 : 0.5A A AWG 22-26 : 2A				WG 28 : 1A		
Voltage 250V AC/DC SPECIFICATIONS																	
								FIC			5	DEOU					
					IE		THOD					REQUI	REMENT	5		QI	AT
			Vieuelly	nd by	maga	uring in	otrumon										0
General Examination			Visually and by measuring instrument. Confirmed visually.										0				
Marking													<u> </u>	<u> </u>			
ELECTRICAL CHARAC													1	1			
Contact Resistance Millivolt Level Method			20mV MAX, 1mA (DC or 1000Hz).							ľ	30 mΩ MAX.				0	-	
Insulation Resistance			500 V DC.								1,000 MΩ MIN.				0	_	
Voltage	Proo	f	650 V AC for 1 min.								No flash	over or break	lown.				
																0	-
MECH	HAN	ICAL CHARAC	CTERIS	TICS	\$												
Mechan	30 times	inserti	ion ar	ıd extra	ction.			(①Conta	act resistance:	30mΩ MA	Х					
(Sn Plating)										(2No damage, crack or looseness of parts.				0	-	
Mechanical Operation			50 times insertion and extraction.							(\bigcirc ①Contact resistance: 30m Ω MAX						
(Au Plating)										(ONo damage, crack or looseness of parts.				0	-	
Mating	and u	nmating	It takes o	ut and	linser	ts with	a confor	mity c	connec	tor	(1)Insert	ion Force: 30 (
force (Sn Plating)			It takes out and inserts with a conformity connector.								②Extraction Force : 1.0N MIN				0	-	
Mating	It takes out and inserts with a conformity connector.							tor. (Insertion Force: 21.7N MAX								
force (Au Plating)											②Extraction Force: 1.0N MIN				0	-	
Vibration Frequency 10				y 10 t	0 to 55 Hz, single amplitude 0.75 mm,						\bigcirc No electrical discontinuity of 1 μ s. \bigcirc No damage, crack or looseness of parts.				0	-	
			at 10 cycles for 3 direction.														
Shock			Acceleration 490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.							at 3					0	-	
		MENTAL CHA		- DIC.	TICS	2											
			Exposed a				nidity an	to 05	% 96 1	h l	Deanta	ot resistance	30 m 0 M				1
Damp Heat											(1)Contact resistance: 30 m Ω MAX. (2)Insulation resistance: 500M Ω MIN.				0	-	
		(croady otace)	(After leaving the room temperature for 1 to 2h.)							③No damage, crack or looseness of parts.							
Note 2:	Inclu No c Apply	de the temperature ondensing / to the condition o dity range is applied	of long terr	m stor	age fo		-		-	ocb or	n board,	after pcb boa	rd , operati	ng tem	perature	e and	
								DRAV	VN	r	DESIGNE		(FD A	PROVE			SED
								"			/ ^r	ED APPROVED		RELEASED			
				J.S CHO				.	J.S CHO S.M.LIN		MI.			ENG 023.07.24			
					21.05.14					21.05.14 21.05.14		.14 2			DEPT		
		se specified, refer to														\sim	
NOTE		QUALIFICATION 1		: ASS	URAN						ST 	PART NO.					
HIROSE KOREA CO.,LTD.					SPECIFICATION SHEET					ET							
CODE NO.(OLD) DRAWI				AWING	NG NO. CODE NO. ELC4-633593					CL 6652–0091–4–805							
CL ELC4-033393							I				001/0	21(Rev.0)					

Rapid Change of	Temperature -	55 °C → +105 °C	①Cont	act resistance: 30 mΩ MAX.		Т
emperature		30min → 30min		ation resistance: 1,000MΩ MIN.	0	-
	Under 5 Cycles		-	amage, crack or looseness of parts.		
		Ig time of the tank is 2 to 3 MIN)	-			
		ne room temperature for 1 to 2h				
	Exposed at 10			20 0 MAX	_	-
ry Heat	Exposed at 10	512 C, 901		eact resistance: 30 m Ω MAX.		
			-	ation resistance: 1,000MΩ MIN.	0	-
			(3)No d	amage, crack or looseness of parts.	_	
old	Exposed at -	55±3 °C, 96h	①Cont	act resistance: 30 m Ω MAX.		
			②Insul	ation resistance: 1,000M Ω MIN.	0	-
			③No d	amage, crack or looseness of parts.		
esistance To Soldering	Reflow time		No defe	ormation of case of excessive looseness		
eat	Number of reflo	w cycles : 2cycles MAX	of the	terminals.		
	Duration above	220°C, 60sec. MAX.			0	-
	Peak temperatu	ıre : 250°C 10sec. MAX				
olderability	Soldering temp	erature: 245 °C	New ur	iform coating of solder shall cover		
		nersion :soldering, for 5 sec.		m of 95 % of the surface Being	0	Ι.
	Duration of min		immers	-	ľ	'
			Immers	ed.		
ecommended	REFLOW TEMPE	RATURE PROFILE USING LEAD-FREE SOLDE	ER PASTE (REFERENCE)			
emperature Profile						
	t	(°C) 10s MAX				
	25	······	NUMBER OF REFLO	W CYCLES 2CYCLES MAX.		
		220	THE TEMPERATURE	IS MEASURED IN THE TERMINAL LEAD PART.		
	20	180				
	150	60s M/	AX ADDITIONAL FACTO	RS, SUCH AS SOLDER PASTE TYPE,		
		90~120s	PCB SIZE AND OTH	ER MOUNTED COMPONENTS COULD AFFECT		
	100)/	THE PROFILES. THE	REFORE, A THOROUGH EVALUATION OF		
			MOUNTING CONDITIO	N IS REQUIRED PRIOR TO PRODUCTION.		
		-/				
		(
			(s)			
DTE QT: QUALIFICATI	ON TEST AT: AS	SURANCE TEST O: APPLI	CABLE TEST	PART NO.		
HIROSE KOREA	CO.,LTD.	SPECIFICATION	I SHEET			
				DF51K-4P-2V(805)		
DDE NO.(OLD)	DRAWIN		CODE NO.	CL 6652-0091-4-805		2
L		ELC4-633593				V
				F-1-021(_	