Applicable	e standard												
Operating Temperature ra		ange	1 -411°(: to +85°(:(Note1)					Storage Temperature range			-10 °C to +60°C (Note3)		
Rating	Operating Humidity range		20% to 80% (Note2)					Storage Humidity range			40% to 70% (Note3)		
	Voltage		100V AC/DC					Applicable Connector			DF52#-*P-0.8C		
			Number of contacts	AWG28	AWG30	AWG32	Appl	Applicable contact			DF52-2832PCF	/1\	
	Current 1	-	2	2.5A	2.0A	1.5A							
	Current ZT	,	3-5 6-10	2.0A 1.5A	1.5A 1.2A	1.0A 0.8A	-						
			12-20	1.2A	1.0A	0.8A	1						
					Spec	cificat	ions	\$					
	tem			Test me	thod					Req	uirements	QT	AT
Construct General exa		Visually and by measuring instrument.						According to drawing.				T 🗸	Tv
Marking		Confirmed visually.						- rocording to drawing.				X	X
Electric characterist		·											1 ^
Contact resis		20mV MAX, 1mA (DC or 1000Hz).						10 mΩ MAX.				Тх	Τ-
Millivolt level i		100 V DC.						100 MΩ MIN.				X	
Voltage prod			300 V AC for 1 min.						No flashover or breakdown				 -
	cal charact							I to made	10 7 01 01 0	Tourier		X	
Mechanical			20 times insertion and extraction.						①Contact resistance: 20 mΩ MAX.				Τ-
) (1) (2)							②No damage, crack or looseness of parts.				X		
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.						①No electrical discontinuity of 1 μ s. ②No damage, crack or looseness of parts.				X	-
Shock		490 m/s ² duration of pulse 11 ms at 3 times each for						①No el	①No electrical discontinuity of 1 μ s.				-
Environm	ental charac		axial directions	S				②No da	amage, cr	ack or	looseness of parts.		
Damp heat	ental charac	Exposed at 40 ± 2°C , 90 to 95 %, 96 h.						(1)Conta	act resista	nce: 2	0 mΩ MAX.	X	Т-
(Steady state)			(After leaving the room temperature for 1~2h.)						②Insulation resistance: 100 MΩ MIN. ③No damage, crack or looseness of parts.				
Rapid change of temperature		Temperature -55°C→ +85°C Time 30min→ 30min						①Contact resistance: 20 m Ω MAX. ②Insulation resistance: 100 MΩ MIN.				X	_
		Time Under	5 cycles.	• 30min				1 _			looseness of parts.		
		,	(The transferring time of the tank is 2~3 min)						No deformation of case of excessive looseness of				
RESISTANCE	TO	<u> </u>	(After leaving the room temperature for 1~2h.) 1) Reflow soldering										+-
SOLDERING HEAT		《Reflow time》						the terminals.				X	
		Number of reflow cycles: 2 cycles MAX. Duration above 220°C, 60 sec. MAX.											
			k temperature: re-heat time》	250℃ 10 s	sec. MAX.								
		Pre-	Pre-heat temperature(MIN) :150°C										
			·heat temperatu ·heat time(MIN)		80°C								
			Pre-heat time(MAX): 120 sec. 2) Manual soldering Soldering iron temperature:350±10°C,										
			lering time : 3se strength on conf										
			Soldering temperature : 245°C						New uniform coating of solder shall cover minimum				
Note 1: Includ	le the temperatu		on of immersior	:Soldering	g, for 5 sec.			of 95 %	of the su	rface b	peing immersed.		
Note 2: No co	ndensing	_											
	to the condition umidity range is a	-	-				n board	d. After F	CB on bo	ard, o	perating temperature		
Coun	ount D		Description of revisions Desig					igned Checked				D	ate
2			DIS-H-009224 TH. Y08					YOSHIZAWA			HK. UMEHARA	14. 11. 20	
Remarks									Appro		KI. AKIYAMA	+	06. 27
								Checked			HK, UMEHARA	14. 06. 27 14. 06. 26	
Unless oth	erwise specif	ied, re	d, refer to IEC 60512.					Designed Drawn			TH. YOSHIZAWA TH. YOSHIZAWA	14. 06. 26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test						[Drawing No.			ELC4-356517-01			
HS.		Spe	ecification sheet Pa				Part	Part No.		D	DF52-*S-0.8H(21)		
	HIR	OSE	E EL EGIDIO GO LI ID					No.		CL668- 🛕 1/1			
1	1												