APPLICA	BLE STA	NDARD									
Operati tempera		e range	-55 °C to 85 °C	0	Storage temperange	torage		-10°C TO 50°C (Packed condition		on)	
RATING	Voltage		30V AC/DC		Operating or sinumidity rang					ewed	
Current		0.3 A 🖄			Applicable cable			t=0.2±0.03mm, Gold plating			
			SPEC	IFICA	TIONS						
ITI	EM		TEST METHOD			REC	QUIR	EMENTS	QT	АТ	
CONSTR	RUCTION										
General exa	mination		d by measuring instrument.		According to	drawing			×	×	
Marking		Confirmed	•		(note 1)				×	×	
ELECTR									1	_	
Voltage proof Insulation resistance		90 V AC for 1 min. 100 V DC.			No flashover or breakdown. 50 mΩ MAX.				×	_	
Contact resistance		AC 20 mV MAX , 1 mA .			50 mΩ MAX.				×	_	
CONTACT TESISTATICE		AC 20 IIIV IVIAX , TIIIA .			Including FPC bulk resistance. (L=8mm)						
MECHAN	NICAL CH	IARACTE	RISTICS					,		· L	
Vibration		Frequency 10 to 55 Hz, half amplitude			① No electrical discontinuity of 1 μs.				×	T -	
		0.75 mm, for 10 cycles in 3 axial directions.			② Contact resistance: 100 mΩ MAX.						
Shock		981 m/s <sup>2</sup> , duration of pulse 6 ms			③ No damage, crack and looseness of parts.				×	-	
Mechanical operation		at 3 times in 3 both axial directions.  10 times insertions and extractions.			① Contact resistance: 100 mΩ MAX.					<u> </u>	
Mechanical operation		unies insertions and extractions.				② No damage, crack and looseness of parts.					
FPC insertion force		Measured by applicable FPC.				Insertion force : Direction of insertion				<del> </del>	
		(Thickness of FPC shall be t=0.20mm				2.6+0.14×n N MAX ( <i>note 2</i> )					
		at initial condition.)			,	(n: Number of contacts)					
FPC retention	on force	Measured by applicable FPC.				Retention force : Direction of extraction				-	
		(Thickness of FPC shall be t=0.20mm at initial condition.)				5+0.07 × n N MIN ( <i>note3</i> ) (n: Number of contacts)					
ENI/IROI	NIMENITA		ACTERISTICS		(II. IVallibel	or cornac	13)				
Rapid chang			re-55→+15TO+35→+85→+	15±0±35°C	1 Contact	resistanc	۵۰ ۱ (	00 mQ ΜΔΧ	×	Τ_	
temperature		Time $30 \rightarrow 2_{to} 3 \rightarrow 30 \rightarrow 2_{to} 3 \text{ min}$				<ul> <li>Contact resistance: 100 mΩ MAX</li> <li>Insulation resistance: 50 MΩ MIN</li> </ul>					
		Under 5 cycles.			_			looseness of parts.			
Damp heat		Exposed at 40±2 °C,							×	_	
(steady state			midity 90 to 95 %, 96 h.								
Damp heat,cyclic		Exposed at -10 to +65 °c, Relative humidity 90 to 96 %,			<ul> <li>Contact resistance: 100 mΩ MAX.</li> <li>Insulation resistance: 1 MΩ MIN. (At high humidity)</li> </ul>				×	-	
		10 cycles, TOTAL 240 h.				3 Insulation resistance: $50 \text{ M}\Omega \text{ MIN}$ . (At dry)					
						No damage, crack and looseness of parts.					
Dry heat		Exposed at 85±2°C, 96 h.			① Contact resistance: 100 mΩ MAX.				×	_	
Cold		Exposed at -55±3°C, 96 h.			② No damage, crack and looseness of parts.				×	_	
Sulphur dioxide		Exposed at 40±2 °C, Relative humidity 80±5%,			① Contact resistance: 100 mΩ MAX.				×	-	
[JIS C 60068-2-42]		25±5 ppm for 96 h.			A new uniform coating of solder shall cover a						
Solderability			Soldered at solder temperature, $245\pm3^{\circ}$ C for immersion duration, $3\pm0.3$ sec.			A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.				-	
Resistance to		_	1) Reflow soldering :			No deformation of case of excessive looseness				<del>  _</del>	
soldering heat		Peak TMP. 250 °C MAX .			of the terminals. ( <i>note 4</i> )						
		Reflow TMP. over 220 °C 60 to 90 sec.  Number of reflow: 2 times									
		2) Solderi									
			50±10 °C <b>for</b> 5±1 sec .								
COUN	IT	DESCRIPTION	ON OF REVISIONS		DESIGNED			CHECKED	D/	\TE	
1		DIS-	F-00007424		TS. WADA			HS. HIRAHARA	2020	)1217	
REMARK	•			•		APPRO'	VFD	YN. TAKASHITA	2019	รบดบร	
(note1) This product features top-contact point. "One Action Lock" completes FPC lock ju Do not operate the locking-lever when inserting the FPC.					by inserting the FPC.			III. TARAOITTA	20180903		
(note2) Do not in	sert the FPC to	this product at an	angle.	E 1. 4 EDO	CHECKED		SJ. OKAMURA	AMURA 2018090			
		-	<ul> <li>something fixed, if pull-up or pull-down force is expected to be appletention force doesn't fulfill the value,</li> </ul>			DESIGNED		SG. MASAKI	2018090		
	•		affects the result of FPC retention force. rated on the housing do not affect product performance.			DEGIGINED		JU. WASAN I	2010090		
(note4) Blisters which may be generated on the h Unless otherwise specified, refer to II						DRAW	/N	SG. MASAKI		20180903	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWIN	DRAWING NO.		ELC-382927-00-00		)	
שכ		SPECIFI	PECIFICATION SHEET			FH72-**		 FH72-**S-0.3SHW			
			FOTDIO CO. LTD		CODE NO	CODE NO.		CL580		1/1	
FORM HDOO11					JUDE NO.	<u> </u>		J_000	<u> </u>	., .	