## J ul.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved. In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

STANDARD	1/2		UL343		CODE NO.	Ŀ	ברבטואוט טט., בו			
STANDARD	5	>				_			<u> </u>	
STANDIARD			27		RT NO.		CATION SHEET	SPECIE	·0	50
STANDARD		3-00	ELC4-32865	VG NO.	DRAWIN	Test	urance Test X:Applicable		ualification T	Note QT:Q
STANDARD     STORAGE   S	2. 09	09. 12	YK. NAKATSU	DRAWN		-				
STANDARD    STANDARD	2 15	09. 12	TH. YOSHIZAWA	DESIGNED						
STANDARD	2. 16	09. 12		CHECKED						
STANDARD	2. 26	14. 02	_   		SAKIMURA	MT.	3-H-008540	DI		
STANDARD		DA.	CHECKED		SIGNED	DE	ON OF REVISIONS	DESCRIPTI		COUNT
STANUS    STANUS    STORAGE   STANUS    STAN				-					-	
STANLIJARD     STORAGE   STANLIJARD     STORAGE   PARTIS										
STANIJARD     STANIJARD     STORAGE   PARTIS.										
STANDARD										
STANDARD										
STANDARD										
STANDARD										
STANIDARD   STORAGE   FREATURE RANGE   -40°C TO + 85°C (NOTE 1)   STORAGE   TEMPERATURE RANGE   40% TO + 70% (NOTE 2)	I	×	STANCE: 30mΩ MAX. SISTANCE: 500MΩ MIN. RACK OR LOOSENESS	SULATION RESULATION RE	© © ⊕ N	95 %, 96 h.	+  2	EXPOSE	rate)	DAMP HEAT (STEADY STATE)
STANNDARD			LOOSENE	DAMAGE, CI PARTS.	ω ω		Ś	UNDER		
STORAGE   CONTECTIONS   STORAGE   CONTECTION   STORAGE   CONTECTIONS   CONTECTIO			30mΩ N E: 1000MΩ	NTACT RESIS	<u>⊘</u> ⊘	↓			NGE OF URE	RAPID CHANGE TEMPERATURE
SIE STANDARD   STORAGE   O-0°C (NOTE 1)   STORAGE   O-0°C (NOTE 2)   O-0							ACTERISTICS	- 1	NMENTA	ENVIRO
SILE STANDARD	1	×	RACK OR LOOSENESS	DAMAGE, CI PARTS.		AT 3	PULSE	490 m/s <sup>2</sup> FOR 3 D		SHOCK
SILE STANDARD		×	L DISCONTINUITY OF	) ELECTRICAL 3.		ILE AMPLITUDE TIONS.	ENCY 10 TO 55 Hz, SING , AT 2 h, FOR 3 DIRECT	FREQUE 0.75 mm		VIBRATION
VIDARD     VIDARD     VIDARICE   VIDARIC	1	×	STANCE: 30mΩ MAX. RACK OR LOOSENESS	NTACT RESISTANTACT	_	(TRACTIONS.	ES INSERTIONS AND EX	50 TIMI	ŕ	MECHANICAL OPERATION
NDARD         STORAGE TO + 85°C (NOTE 1) / 1\ TEMPERATURE RANGE         −10°C TO + 60°C (NOTE 2)           NMGE         40% TO + 80%         STORAGE TO AGE TO AGE TO HUMIDITY RANGE         40% TO + 70% (NOTE 2)         20V AC         AWG TO + 70% (NOTE 2)         20V AC         AWG TO + 70% (NOTE 2)         20V AC							ERISTICS	IARACT		MECHANICAL
NDARD         INDARD         STORAGE TO A 40°C TO + 85°C (NOTE 1) 1 TEMPERATURE RANGE         STORAGE TO AGE TO	ī	×	R BREAKDOWN.	ASHOVER OF	NO FL		C FOR 1 min.	650V A	ROOF	VOLTAGE PROOF
ANGE   -40°C TO + 85°C (NOTE 1)   STORAGE	ī	×		MΩ MIN.	1000		Ö	500V D	₩ ~	INSULATION RESISTANCE
-40°C TO + 85°C (NOTE 1)   STORAGE   TEMPERATURE RANGE   -10°C TO + 60°C (NOTE 2)		×		2 MAX.	30ms		(DC OR 1000 Hz).		RESISTANCE	CONTACT
-40°C T0 + 85°C (NOTE 1)   STORAGE   TEST METHOD   STORAGE   TEST METHOD   STORAGE   HUMIDITY RANGE   HUMI	[>	>					STICS	ACTERI	IC CHAR	ELECTR
-40°C TO + 85°C (NOTE 1)   STORAGE   -10°C TO + 60°C (NOTE 2)	××	××	SVVIII O				IED VISUALLY.	CONFIRM		MARKING TA
-40°C TO + 85°C (NOTE 1)   STORAGE   -10°C TO + 60°C (NOTE 2)	<		SAMINO	BDINIO TO DE	200	TOLIMONIT		╛	RUCTION	CONSTR
-40°C T0 + 85°C (NOTE 1)   STORAGE   TEMPERATURE RANGE   -10°C T0 + 60°C (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 85°C (NOTE 1)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C T0 + 60°C (NOTE 2)   TEMPERATURE RANGE   40% T0 + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40% TO + 40% TO + 70% (NOTE 2)    -40°C TO + 40%	ΑT	-	JIREMENTS	REQU		D	TEST METHOL		ŒΜ	1
-40°C TO + 85°C (NOTE 1)   STORAGE   -10°C TO + 60°C (NOTE 2)    -40% TO + 80%   STORAGE   HUMIDITY RANGE   40% TO + 70% (NOTE 2)					SNO	FICA	SPE			
-40°C T0 + 85°C (NOTE 1)   STORAGE			30							
E −40°C T0 + 85°C (NOTE 1)		2A 1 <sub>A</sub>	22 24 TO 28	CURRENT	RATING		22 T0 28		CURRENT	
= -40°C T0 + 85°C (NOTE 1)   STORAGE			l .	VOLTAGE	= · CSA				VOLTAGE	
= -40°C TO + 85°C (NOTE 1)   STORAGE   -10°C TO + 60°C (NOTE		)TE 2)	T0 + 70	ANGE	UMIDITY R		T0 +	ANGE	HUMIDITY R	
	2)		T0 + 6	URE RANGE	EMPERATU	1)	+ 0T	JRE RANGE	TEMPERATU	RATING
						>		NDARD	BLE STAI	APPLICA

2/2	CL543 📗 🛆	E NO	CODE NO	HIROSE ELECTRIC CO., LTD.	
	DF11CZ-*DS-2V (52)	NO.	PART NO.	SPECIFICATION SHEET	Į S
00	ELC4-328653-00	DRAWING NO.	D	QT:Qualification Test AT:Assurance Test X:Applicable Test	Note QT:Qual
				Unless otherwise specifid , refer to IEC 60512.	Unless othe
				REFLOW AREA)  MAX 240°C WITHIN 10 sec.  MIN 230°C WITHIN 60 sec.  (PREHEATING AREA)  150 TO 180°C 90 TO 120 s.	MAX MIN: «PREI
	IG MOISTURE-PROOF QUIREMENTS.	S AFTER OPENIN	N 168 HOUR NG , APPLY 1	STORAGE DURING TRANSPORTATION.  NOTE 3:THE TEMPERATURE PROFILE SHALL BE APPLIED WITHIN 168 HOURS AFTER OPENING MOISTURE-PROOF PACKAGING. WHEN 168 HOURS PASSED AFTER OPENING , APPLY THE BOTTOM REQUIREMENTS.  #PAGE COM AREA **	STOR NOTE 3:THE T PACK
	FORE PCB ON BOARD, D FOR INTERIM	ED PRODUCTS BE	OR UNUSE	REMARKS  NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.  NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE—FOR UNUSED PRODUCTS BEFORE PCB ON BOARD,  AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM	REMARKS NOTE 1:INCLU NOTE 2:APPLY AFTE
× 	F SOLDER 95 % OF THE	A NEW UNIFORM COATING O SHALL COVER MINIMUM OF S SURFACE BEING IMMERSED	ON, 3 s.	SC 23	SOLDERABILITY
			ACE :RATURE NECTOR OR 90±10°C,	MIN 230°C WITHIN 60 sec.  《PREHEATING AREA》  150 TO 180°C 90 TO 120 sec.  PUT THROUGH IN REFROW FURNACE TWICE. LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW.  2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :290±10°C SOLDERING TIME :3s. NO STRENGTH ON CONTACT.	
×	m 	EXCESSIVE LOC TERMINALS.	S	HEAT (REFLOW AREA)  MAX 250°C WITHIN 10 sec.	SOLDERING HEAT
QT AT		REQUIREMENTS			DESISTANCE TO
		SN	CATIO	SPECIFICATIONS	