TEST METHO SUALLY AND BY MEASURING IN:		ENT	SIGNAL ONLY POWER APPL	* '1		
AC 30V  SPE  TEST METHO  SUALLY AND BY MEASURING IN:  ONFIRMED VISUALLY.	CURRI	ENT	SIGNAL ONLY POWER APPL	* '1		
SPE TEST METHO SUALLY AND BY MEASURING IN:	ECIFICAT			· ·		
SPE TEST METHO SUALLY AND BY MEASURING IN:	ECIFICAT			, 1.8 A/pin (PIN No.1,	No.5)	
TEST METHO SUALLY AND BY MEASURING IN:	DD	IONS	<u> </u>	0.5 A/pin (PIN No.2-		
TEST METHO SUALLY AND BY MEASURING IN:	DD	10110	`			
SUALLY AND BY MEASURING IN				REMENTS	QT	Α
NFIRMED VISUALLY.	STRIIMENT		REQUI	ICLIVILIVIO	Qı	
	OTTOWILING.	AC!	CORDING TO DRAV	VING.	Х	\ \
	CONFIRMED VISUALLY.					)
CTERISTICS					X	1 -
0 mA (DC OR 1000 Hz).	-	30	mΩ MAX.		Х	1:
NSULATION RESISTANCE 500 V DC.		100	1000 MΩ MIN.			
DLTAGE PROOF 100 V AC FOR 1 min.		NO	NO FLASHOVER OR BREAKDOWN.			
ASURE ADJACENT TWO CONT	E ADJACENT TWO CONTACTS AT		F MAX.		Х	١.
00±10 Hz AC VOLTAGE.						
					X	-
ACONED DI AFFLICADLE CONI	4LUTUK	"	DIV.WAL I ANOE	O 14 IVIII 4.		
000 TIMES INSERTIONS AND E	XTRACTIONS.	,				T
ATING SPEED				<del></del>	Х	
ANOALLI OI LIVATED . 200	VOTOLLO7 II	,				
		,	3) NO DAMAGE, CRACK AND LOOSENESS			
FOLIENCY 10 TO 55 Hz				SCONTINUITY OF		
SINGLE AMPLITUDE 0.75 mm, AT 2h (6 HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  2) N		•		Х		
			2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
,						+
IARACTERISTICS						
		,			_	
TIME 30 → 2 TO 3 → 30→ 2 TO 3 min UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS     OF PARTS.			
		,				
TEMPERATURE -10 ~ 65 °C, HUMIDITY 90 TO 98 %			· · · · · · · · · · · · · · · · · · ·			
, ,	)D)	PAF	PARTS.  NO DAMAGE. CRACK AND LOOSENESS OF			
	<i>J</i> K)	NO				
-	)R)				X	
EXPOSED AT -40±2 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF			
(MATING APPLICABLE CONNECTOR)			PARTS.			+
	EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION)		NO HEAVY CORROSION OF CONTACTS.			
				R MINIMUM OF 95% OF		
EFT UNDER UNMATED CONDITION OF THE PROPERTY OF	ON) SOLDER BATH O			THE SURFACE BEING IMMERSED.		
EFT UNDER UNMATED CONDITION OF THE PROPERTY O	ON) SOLDER BATH O	Т	THE SURFACE BEIN		X	<u></u>
EFT UNDER UNMATED CONDITION OF THE PROPERTY OF	ON) SOLDER BATH O		THE SURFACE BEIN	CHECKED	DA	λΤE
EFT UNDER UNMATED CONDITION OF THE PROPERTY O	ON) SOLDER BATH O	Т	THE SURFACE BEIN	CHECKED	DA	
EFT UNDER UNMATED CONDITION  LIDERING POINT IMMERSED IN  ±5°C,5 sec. (USING TYPE R FLA  RIPTION OF REVISIONS	SOLDER BATH O	ESIGNED	THE SURFACE BEIND  APPROVED	CHECKED  NM. NISHIMATSU	DA	10.
EFT UNDER UNMATED CONDITION DIDERING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  ee the performance on	SOLDER BATH O	PESIGNED	APPROVED CHECKED	CHECKED  NM. NISHIMATSU  KN. ICHIKAWA	15. 1 15. 1	10.
EFT UNDER UNMATED CONDITION DIDERING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  ee the performance on	SOLDER BATH O	PESIGNED	APPROVED CHECKED	CHECKED  NM. NISHIMATSU	DA	10.
EFT UNDER UNMATED CONDITION DETERMING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  Bee the performance on the mated with the	SOLDER BATH O	DESIGNED ications ich is n	APPROVED CHECKED	CHECKED  NM. NISHIMATSU  KN. ICHIKAWA	15. 1 15. 1	10. 10.
EFT UNDER UNMATED CONDITION DIDERING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  The ee the performance on the be mated with the  Ed, refer to USB2.0, EIA3	SOLDER BATH O  X)  these specifi others whice	ications ch is n	APPROVED  CHECKED  DESIGNED  DRAWN	NM. NISHIMATSU KN. ICHIKAWA TS. ITO AK. AKIYAMA	15. 1 15. 1 15. 1	10. 10.
EFT UNDER UNMATED CONDITION DETERMING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  Bee the performance on the mated with the	SOLDER BATH O  X)  these specifi others whice	ications ch is n	APPROVED  CHECKED  DESIGNED	NM. NISHIMATSU KN. ICHIKAWA TS. ITO	15. 1 15. 1 15. 1	10. 10. 10.
EFT UNDER UNMATED CONDITION DIDERING POINT IMMERSED IN ±5°C,5 sec. (USING TYPE R FLA RIPTION OF REVISIONS  The ee the performance on the be mated with the  Ed, refer to USB2.0, EIA3	solder Bath O(X)  D  these specific others which is specificated by the specification of the	ications ch is n	APPROVED CHECKED DESIGNED DRAWN VING NO.	NM. NISHIMATSU KN. ICHIKAWA TS. ITO AK. AKIYAMA	15. 1 15. 1 15. 1 15. 1	10. 10. 10.
	O V AC FOR 1 min.  ASURE ADJACENT TWO CONT  100±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min  ASURED BY APPLICABLE CONI  000 TIMES INSERTIONS AND E  TING SPEED  ECHANICALLY OPERATED : 500  ANUALLY OPERATED : 200  EQUENCY 10 TO 55 Hz  IGLE AMPLITUDE 0.75 mm, AT 2  HOURS IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 50 TO 2000 Hz AT 15  MINUTES IN TOTAL) FOR 3 AXIAL  EQUENCY 10 TO 55 Hz  AT ING APPLICABLE CONNECTOR  POSED AT 85 ± 2 °C, 96 h.  AT ING APPLICABLE CONNECTOR  POSED AT -40 ± 2 °C, 96 h.	0 V AC FOR 1 min.  ASURE ADJACENT TWO CONTACTS AT  100±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min  ASURED BY APPLICABLE CONNECTOR  1000 TIMES INSERTIONS AND EXTRACTIONS.  TING SPEED  ECHANICALLY OPERATED: 500 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  ANUALLY OPERATED: 500 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  EQUENCY 10 TO 55 Hz  IGLE AMPLITUDE 0.75 mm, AT 2h  HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  EQUENCY 50 TO 2000 Hz AT 15 min  MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CELERATION 490 m/s², DURATION OF PULSE 1  3 TIMES FOR 6 DIRECTIONS.(18 TIMES IN TOTAL)  ARACTERISTICS  MP −55 →+15 TO +35→+85→+15 TO+35 °C  ME 30 → 2 TO 3 → 30→ 2 TO 3 min  DER 10 CYCLES.  ATING APPLICABLE CONNECTOR)  POSED AT 85±2 °C, 96 h.  ATING APPLICABLE CONNECTOR)  POSED AT -40±2 °C, 96 h.	O V AC FOR 1 min.  ASSURE ADJACENT TWO CONTACTS AT  100±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min  ASSURED BY APPLICABLE CONNECTOR  MOO TIMES INSERTIONS AND EXTRACTIONS.  TING SPEED  ECHANICALLY OPERATED: 500 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  ANUALLY OPERATED: 500 CYCLES / h  ANUALLY OPERATED: 200 CYCLES / h  CEQUENCY 10 TO 55 Hz  IGLE AMPLITUDE 0.75 mm, AT 2h  HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  EQUENCY 50 TO 2000 Hz AT 15 min  MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CELERATION 490 m/s², DURATION OF PULSE 11 ms  3 TIMES FOR 6 DIRECTIONS.(18 TIMES IN TOTAL)  ARACTERISTICS  MP −55 →+15 TO +35→+85→+15 TO+35 °C  ME 30 → 2 TO 3 → 30→ 2 TO 3 min  DER 10 CYCLES.  ATING APPLICABLE CONNECTOR)  POSED AT 85±2 °C, 96 h.  ATING APPLICABLE CONNECTOR)  POSED AT -40±2 °C, 96 h.  NO  POSED AT -40±2 °C, 96 h.	0 V AC FOR 1 min.  ASSURE ADJACENT TWO CONTACTS AT 2 pF MAX.  DO±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min ASURED BY APPLICABLE CONNECTOR  DO00 TIMES INSERTIONS AND EXTRACTIONS.  TING SPEED ECHANICALLY OPERATED: 500 CYCLES / h ANUALLY OPERATED: 200 CYCLES / h HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  EQUENCY 10 TO 55 Hz IGLE AMPLITUDE 0.75 mm, AT 2h HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CEQUENCY 50 TO 2000 Hz AT 15 min MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CELERATION 490 m/s², DURATION OF PULSE 11 ms 3 TIMES FOR 6 DIRECTIONS.(18 TIMES IN TOTAL)  ARACTERISTICS  MP −55 →+15 TO +35→+85→+15 TO + 35 °C ME 30 → 2 TO 3 → 30 → 2 TO 3 min DER 10 CYCLES.  ATING APPLICABLE CONNECTOR)  POSED AT 85±2 °C, 96 h.  ATING APPLICABLE CONNECTOR)  POSED AT 85±2 °C, 96 h.  ATING APPLICABLE CONNECTOR)  POSED AT -40±2 °C, 96 h.  NO DAMAGE, CRACK PARTS.  NO DAMAGE, CRACK PARTS.  NO DAMAGE, CRACK PARTS.  NO DAMAGE, CRACK PARTS.	O V AC FOR 1 min.  ASURE ADJACENT TWO CONTACTS AT  100±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min ASURED BY APPLICABLE CONNECTOR  MAXIMUM RATE OF 12.5 mm/min ASURED BY APPLICABLE CONNECTOR  MINES INSERTIONS AND EXTRACTIONS.  TING SPEED ECHANICALLY OPERATED: 500 CYCLES / h ANUALLY OPERATED: 200 CYCLES / h ANUALLY OPERATED: 35 N MAX. WITHDRAWAL FARCE: 8 N MIN.  1) CONTACT RESISTANCE: NO INCREASE OF MORE THAN 10 m Ω FROM INITIAL VALUE. 2) INSERTION FORCE: 35 N MAX. WITHDRAWAL FORCE: 8 N MIN.  3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	0 V AC FOR 1 min.  ASURE ADJACENT TWO CONTACTS AT  10±10 Hz AC VOLTAGE.  CTERISTICS  MAXIMUM RATE OF 12.5 mm/min ASURED BY APPLICABLE CONNECTOR  0000 TIMES INSERTIONS AND EXTRACTIONS.  TING SPEED ECHANICALLY OPERATED: 500 CYCLES / h ANUALLY OPERATED: 200 CYCLES / h ANUALLY OPERATED: 200 CYCLES / h HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CEUENCY 10 TO 55 Hz GUENCY 50 TO 2000 Hz AT 15 min MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.  CELERATION 490 m/s², DURATION OF PULSE 11 ms 3 TIMES FOR 6 DIRECTIONS.(18 TIMES IN TOTAL)  ARACTERISTICS  MP −55 →+15 TO +35→+85→+15 TO+35 °C  ME 30 → 2 TO 3 → 30→ 2 TO 3 min DER 10 CYCLES.  ATING APPLICABLE CONNECTOR)  PERATURE −10 ~65 °C, HUMIDITY 90 TO 98 % ATING APPLICABLE CONNECTOR)  POSED AT −40±2 °C, 96 h.  NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  X  NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  X  X  X  X  X  X  X  X  X  X  X  X  X

SPECIFICATIONS								
ITEM TEST METHOD		REQUIREMENTS	QT	АТ				
RESISTANCE TO	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF						
SOLDERING HEAT		PARTS.	Х	_				

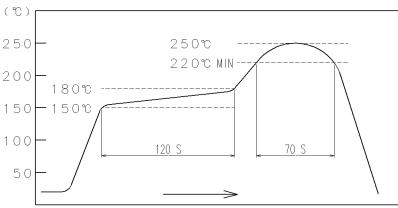


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

## RECOMMENDED PROFILE REFERS TO FIG – 2. (TEMPERATURE AT SMT LEADS)

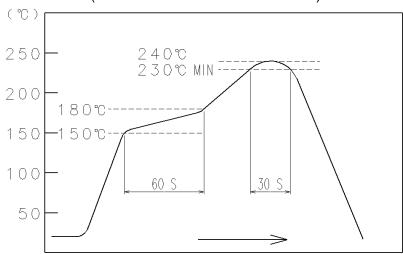


FIG – 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:	Note QT:Qualification Test AT:Assurance Test X:Applicable Test		IG NO.	ELC-126514-31-00		
RS SPECIFICATION SHEET		PART NO.	ZX62MD1-B-5P(31)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242	-0041-6-31	$\triangle$	2/2