REV	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	REV	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-55 ℃ ~ +85 ℃	STORAGE TEMPERATURE RANGE	-10 ℃ ~ +50 ℃ (PACKED CONDITION)
	VOLTAGE	30 V [AC(rms) / DC]	OPERATING OR STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 90 % MAX (NOT DEWED)
	CURRENT	0.4 A [AC(rms) / DC] (NOTE 1)	APPLICABLE CABLE	FPC (T=0.2 ±0.03 mm)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	O	O
MARKING	CONFIRMED VISUALLY		O	O
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	MATE APPLICABLE FPC/FFC AND APPLY A CURRENT OF 1 mA AC (OR 1,000 Hz)	100 mΩ MAX INCLUDING FPC/FFC BULK RESISTANCE (L=8 mm)	O	O
INSULATION RESISTANCE	MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100 V	500 MΩ MIN	O	O
VOLTAGE PROOF	MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 150 V FOR 1 min	NO FLASHOVER OR BREAKDOWN	O	O
MECHANICAL CHARACTERISTICS				
FPC RETENSION FORCE	MEASURE BY APPLICABLE FPC/FFC (T=0.2) AT INITIAL CONDITION	① HORIZONTAL DIRECTION : 0.25 N * n MIN ② VERTICAL DIRECTION : 0.25 N * n MIN (n : NUMBER OF CONTACTS)	O	-
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRATIONS	① CONTACT RESISTANCE : 100 mΩ MAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	O	-
VIBRATION	FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2 hrs, IN 3 DIRECTIONS	① NO ELECTRICAL DISCONTINUITY OF 1 μs ② CONTACT RESISTANCE : 100 mΩ MAX	O	-
SHOCK	981 m/s^2 DIRECTION OF PULSE 6 ms AT 3 TIMES IN 3 DIRECTIONS	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS	O	-
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90~95 %, 96 hrs	① CONTACT RESISTANCE : 100 mΩ MAX ② INSULATION RESISTANCE : 100 MΩ MIN ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS	O	-
RAPID CHANGE OF TEMPERATURE	TEMP. : -55 → 15~35 →+85 → 15~35 ℃ TIME : 30 → 2~3 → 30 → 2~3 min 5 CYCLES WITH ABOVE CONDITIONS		O	-
DAMP HEAT, CYCLE	TEMPERATURE : -10 → +65 ℃ HUMIDITY : 90~95 % 10 CYCLE (240 hrs)		O	-
DRY HEAT	EXPOSED AT 85 ℃, 96 hrs	① CONTACT RESISTANCE : 100 mΩ MAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	O	-
COLD	EXPOSED AT -55 ℃, 96 hrs		O	-
CORROSION SALT SPRAY	EXPOSED AT 35 ℃, 5 % SALT WATER SPRAY FOR 48 hrs	① CONTACT RESISTANCE : 100 mΩ MAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	O	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs (TEST STANDARD : JEIDA-38)	③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR	O	-
RESISTANCE TO SOLDERING HEAT	REFLOW SOLDERING TEMP. : 230 ℃ MIN FOR 60 sec PEAK TEMP. : 250 ℃ MAX	① NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS ② NO DAMAGE OF ELECTRICAL PERFORMANCE	O	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE 245 ±3 ℃ FOR IMMERSION DURATION 3 ±0.3 sec	A NEW UNIFORM COATING OF SLODER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING EMMERSED.	O	-

NOTE
1) WHEN THE SAME VALUE OF CURRENT ARE APPLIED TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

REMARKS CONDITIONS FOR TESTING	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
DRAWING FOR REFERENCE This is subject to change without notice	J.H.BOO 21.02.16	J.H.BOO 21.02.16	D.H.CHO 21.02.16	D.H.CHO 21.02.16	DEPT 21.02.16 ENG

UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO. TF42-**S-0.35SH(895)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
	ELC4-633304-95	CL ****-****-*-***	1/1

F-1-021(Rev.0)