

2014/02/15 05:50:39 ctanke

DRAWING FOR REFERENCE: This is subject to change without notice

| A | COUNT | REVISIONS | BY | CHKD | DATE | A | COUNT | REVISIONS | BY | CHKD | DATE |
|-----------------------|--|--|----------|---------------------|-----------------|-------------------------------|-------|-------------------|---------------|------|------|
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| △ | | | | | | △ | | | | | |
| APPLICABLE STANDARD | | | | | | | | | | | |
| RATING | VOLTAGE | CONTACT No. 1~100 | AC 250 V | | | APPLICABLE CABLES | | | | | |
| | CURRENT | CONTACT No. 1~100 | 0.5 A | | | IMPEDANCE FREQUENCY RANGE | | 2 (0 ~ Hz) | | | |
| | POWER | | | | | OPERATING TEMPERATURE RANGE | | - 55 °C ~ + 85 °C | | | |
| | SPECIALTY | | | | | | | | | | |
| SPECIFICATIONS | | | | | | | | | | | |
| No. | ITEM | CONDITIONS | | | | TEST STANDARD | MIN | MAX | UNITS | QT | AT |
| 1 | DESIGN-MATERIAL-FINISH | Applicable Std. and ^{ADC} 3-40393 | | | | | - | - | - | ○ | ○ |
| 2 | MARKING | | | | | | - | - | - | ○ | ○ |
| 3 | INSULATION RESISTANCE | Must be over standard value at DC 500V. | | | | MIL-STD-202-302 Condition A | 500 | - | MΩ | ○ | ○ |
| 4 | CONTACT RESISTANCE | The voltage drop must be under the Std. value at DC 0.1 A. | | | | | - | 35 | mΩ | ○ | ○ |
| | CONTACT | | | | | | - | - | mΩ | - | - |
| 5 | DIELECTRIC WITHSTANDING VOLTAGE | Must keep the AC 50 500 V for one minute. | | | | MIL-STD-202-301 | - | - | - | ○ | ○ |
| 6 | V SWR | Must be under the Std. value at frequency ~ Hz. | | | | | - | - | - | - | - |
| 7 | INSERTION LOSS | Must be under the Std. value at frequency ~ Hz. | | | | | - | - | dB | - | - |
| 8 | LOW LEVEL CIRCUIT | The Contact Resistance must be under the Std. value at DC 20mV less and mA. | | | | | - | - | mΩ | - | - |
| 9 | CONTACT ENGAGEMENT AND SEPARATION FORCES | Must be suitable for the Std. gauge size value at applicable gauge. | | | | | - | - | gf | - | - |
| | MATING AND UNMATING FORCES | Must be suitable for the Std. value. | | | | | 4 | 15 | kgf | ○ | - |
| 10 | HUMIDITY | Insulation resistance must be over the Std. value at | | at high humidity | MIL-STD-202-103 | 1 | - | MΩ | ○ | - | |
| | | 40 °C 90~95% 96 hours. | | after high humidity | Condition B | 100 | - | MΩ | ○ | - | |
| 11 | VIBRATION | Must have no damage, crack and looseness of parts at Frequency range 10~55 Hz. Total amplitude 1.52mm. -G at 2 hours for 3 directions. | | | | MIL-STD-202-201A | - | - | - | ○ | - |
| 12 | SHOCK | Must have no damage, crack and looseness of parts 50 G at 3 times for 3 directions. | | | | MIL-STD-202-213B Condition(A) | - | - | - | ○ | - |
| 13 | TEMPERATURE CYCLING | Must have no damage, crack and looseness of parts for -55~+85°C 5 cycles. | | | | MIL-STD-202-102A Condition(B) | - | - | - | ○ | - |
| 14 | DURABILITY | Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4. | | | | | - | 35 | mΩ | ○ | - |
| | CONTACT | | | | | | - | - | mΩ | - | - |
| 15 | SALT SPRAY (CORROSION) | Must not have heavy corrosion after 5 x salt water spray for 48 hours. | | | | MIL-STD-202-101D Condition B | - | - | - | ○ | - |
| 16 | WATER PRESSURE WITHSTANDING | No leakage at depth m kgf/cm ² hours. | | | | | - | - | - | - | - |
| 17 | AIR PRESSURE WITHSTANDING | No leakage at pressure kgf/cm ² mmHg | | | | | - | - | - | - | - |
| REMARKS | | | | | | | | | | | |
| | | | APPROVED | A. Nakayama | 3.14.90 | HIROSE ELECTRIC CO., LTD. | | | ISSUED BY | | |
| | | | REVIEWED | | | | | | | | |
| | | | CHECKED | S. Kikuta | 4.14.90 | | | | | | |
| | | | DESIGNED | M. Nakamura | 3.14.90 | | | | | | |
| | | | DRAWN | | | | | | | | |
| | | | | | | PART No. | | | DX30AM-100P | | |
| DRAWING No. | | | | | | CODE No. | | | | | |
| SLC4-40393 - | | | | | | SPECIFICATION SHEET | | | CL230-5031-0- | | |

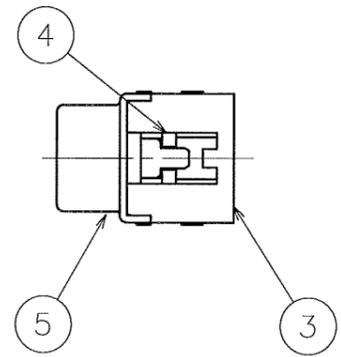
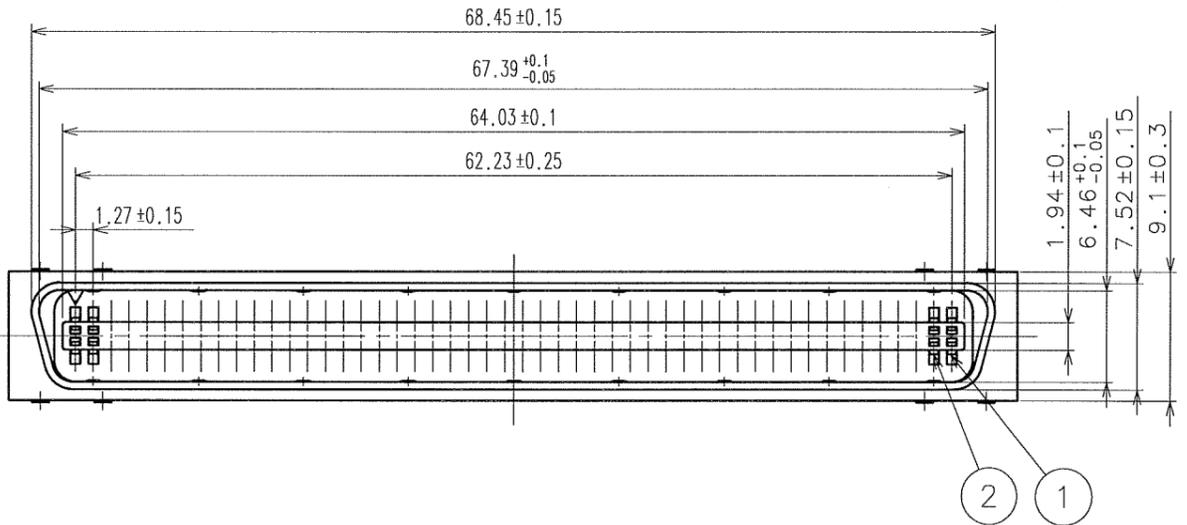
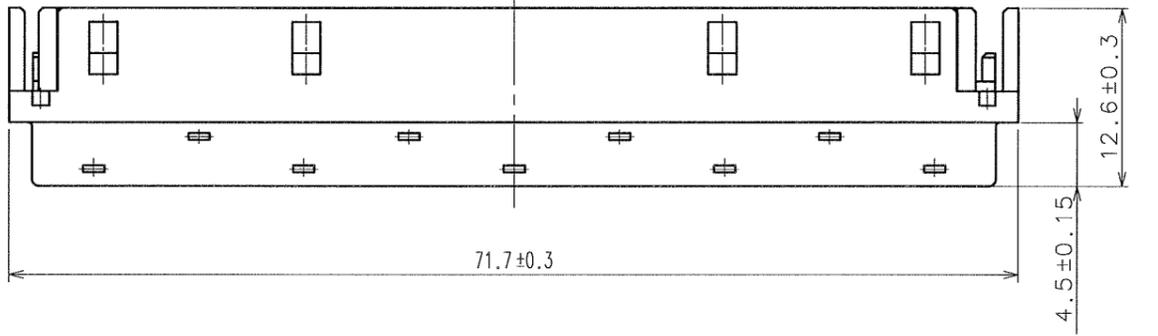
NOTE QT:Qualification Test AT:Assurance Test O:Applicable item FORM No.

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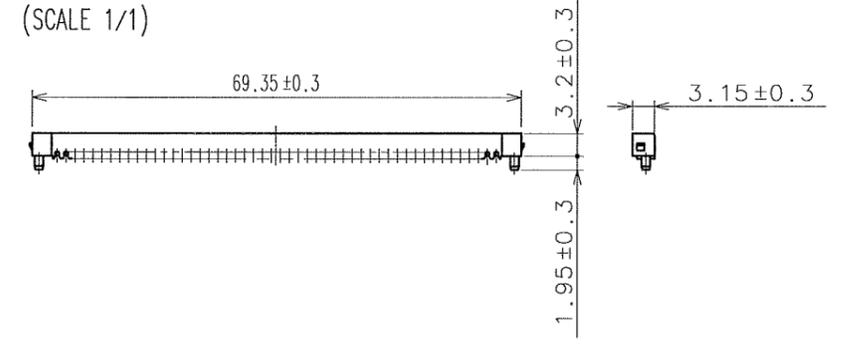
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TO
Q1

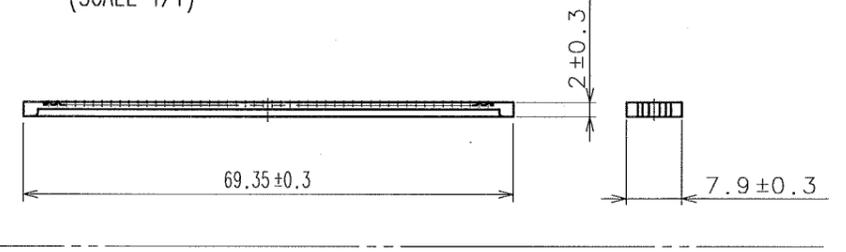
| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|-----|------|----------|-------|--------------------------|----|------|------|
| 1 | DIS-E-3269 | E.M | H.T | 96.11.12 | | | | | |
| 2 | DIS-E-000197 | Y.S | Y.E | 05.08.29 | | | | | |



⑥ PROTECTOR1
(SCALE 1/1)



⑦ PROTECTOR2
(SCALE 1/1)



⚠ NOTE 1 REF.NO.3 RETENFORCE TO BE 100N MIN AT DIRECTION A.

| 4 | PBT | UL94V-0(BLACK) | | | |
|-----|-----------------|---|-----|----------|-----------------|
| 3 | PBT | UL94V-0(BLACK) | 7 | PBT | UL94V-0(BLACK) |
| 2 | BERYLIUM COPPER | CONTACT AREA:GOLD PLATED IDC AREA:GOLD FLASH PLATING ⚠ | 6 | PBT | UL94V-0(BLACK) |
| 1 | BERYLIUM COPPER | CONTACT AREA:GOLD PLATED IDC AREA:GOLD FLASH PLATING ⚠ | 5 | STEEL | NICKEL PLATED |
| NO. | MATERIAL | FINISH, REMARKS | NO. | MATERIAL | FINISH, REMARKS |

| CODE NO.(OLD) | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---------------|------------|------------|----------|------------|----------|
| | M.NAKAMURA | M.NAKAMURA | S.KIKUTA | A.NAKAZAWA | |
| | 90.03.14 | 90.03.14 | 90.03.14 | 90.03.14 | |

| | | |
|-------------------------------|----------------------------|--------------------------|
| | DRAWING NO. EDC3-040393 | PART NO. DX30AM-100P |
| SCALE 2 : 1 UNITS mm | HIROSE ELECTRIC CO., LTD | CODE NO. CL230-5031-0 |

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