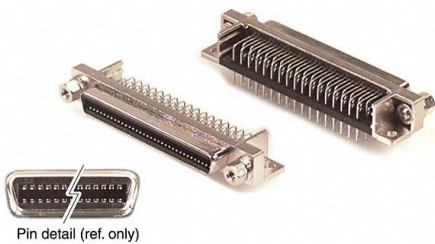


DX10BM-68S(50) Datasheet

www.digi-electronics.com



Pin detail (ref. only)

DiGi Electronics Part Number

DX10BM-68S(50)-DG

Manufacturer

[Hirose Electric Co Ltd](#)

Manufacturer Product Number

DX10BM-68S(50)

Description

CONN MINI HD RCPT 68P R/A SOLDER

Detailed Description

68 Position Receptacle Connector Miniature High Density (HD) Panel Mount, Through Hole, Right Angle Solder

<https://www.DiGi-Electronics.com>

This model DX10BM-68S(50) is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

DX10BM-68S(50)

Series:

DXM

Connector Style:

Outer Shroud Contacts

Number of Positions:

68

Mounting Type:

Panel Mount, Through Hole, Right Angle

Flange Feature:

Mating Side, Female Screwlock (M2.6)

Features:

-

Contact Finish Thickness:

-

Manufacturer:

Hirose Electric Co Ltd

Product Status:

Active

Connector Type:

Receptacle

Number of Rows:

2

Termination:

Solder

Type:

Miniature High Density (HD)

Contact Finish:

Gold

Base Product Number:

DX10

Environmental & Export classification

RoHS Status:

RoHS Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8536.69.4040

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	°C TO °C			
	VOLTAGE	250 V AC			OPERATING HUMIDITY RANGE	% TO %			
	CURRENT	0.5 A			APPLICABLE CABLE				
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz) 1			35 mΩ MAX.			○	○
INSULATION RESISTANCE		500 V DC.			500 MΩ MIN.			○	○
VOLTAGE PROOF		500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			26.7 N MIN. 100.0 N MAX.			○	-
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS. 1			① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.						○	-
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, 96 h.			INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY.) 100 MΩ MIN. (AT DRY.)			○	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.			NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.			○	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.			MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.			○	-
NOTE. 1 MEASUREMENT POINT OF CONTACT RESISTANCE									
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					<i>J. Kamaya</i>	<i>J. Kamaya</i>	<i>Y. Enami</i>	<i>H. Miura</i>	
Unless otherwise specified, refer to JIS C 5402.					03.10.21	03.10.21	07.10.22	03.10.22	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. DX10BM-68S(50)	
CODE NO.(OLD) CL			DRAWING NO. ELC4-041441-01			CODE NO. CL230-5008-8-50			1 1

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TO
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