

# DF1BZ-28DP-2.5DS Datasheet



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DiGi Electronics Part Number	DF1BZ-28DP-2.5DS-DG
Manufacturer	<a href="#">Hirose Electric Co Ltd</a>
Manufacturer Product Number	DF1BZ-28DP-2.5DS
Description	CONN HEADER R/A 28POS 2.5MM
Detailed Description	Connector Header Through Hole, Right Angle 28 position 0.098" (2.50mm)

This model DF1BZ-28DP-2.5DS is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
DF1BZ-28DP-2.5DS	Hirose Electric Co Ltd
Series:	Product Status:
DF1B	Active
Connector Type:	Contact Type:
Header	Male Pin
Pitch - Mating:	Number of Positions:
0.098" (2.50mm)	28
Number of Rows:	Row Spacing - Mating:
2	0.098" (2.50mm)
Number of Positions Loaded:	Style:
All	Board to Cable/Wire
Shrouding:	Mounting Type:
Shrouded - 4 Wall	Through Hole, Right Angle
Termination:	Fastening Type:
Solder	Push-Pull
Contact Length - Mating:	Contact Length - Post:
0.177" (4.50mm)	0.130" (3.30mm)
Overall Contact Length:	Insulation Height:
-	0.339" (8.61mm)
Contact Shape:	Contact Finish - Mating:
Square	Tin
Contact Finish Thickness - Mating:	Contact Finish - Post:
39.4µin (1.00µm)	Tin
Contact Material:	Insulation Material:
Brass	Polyamide (PA), Nylon
Features:	Operating Temperature:
Keying Slot	-35°C ~ 85°C
Ingress Protection:	Material Flammability Rating:
-	UL94 V-0
Insulation Color:	Current Rating (Amps):
White	-
Voltage Rating:	Mated Stacking Heights:
150V	-
Contact Finish Thickness - Post:	Applications:
-	-
Base Product Number:	
DF1BZ	

## Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	250 V AC			APPLICABLE CONNECTOR	DF1B-*DS-2.5RC			
	CURRENT	3 A							
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			×	—
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			×	—
VOLTAGE PROOF		650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	—
<b>MECHANICAL CHARACTERISTICS</b>									
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
RESISTANCE TO SOLDERING HEAT		1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR INSERTION DURATION, 5 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			×	—
<b>REMARKS</b>									
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.				F.Matsuki '04.03.25	H. Umehara '04.03.25	T. Miyazaki '04.03.25	J. Cho '04.03.25		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. DF1BZ-*DP-2.5DS	
CODE NO.(OLD) CL			DRAWING NO. ELC4-305815-01		PART NO. CL541			1/1	

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