


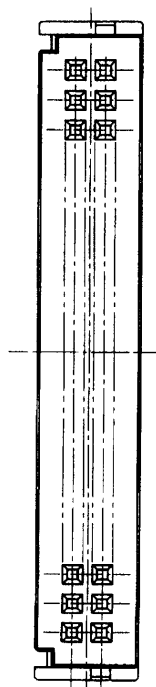
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	150 V AC			APPLICABLE CONTACT	-			
	CURRENT	1 A			APPLICABLE CONNECTOR	DF13/13A-40DP-1. 25V(01)			
					APPLICABLE CABLE	-			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			○	-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, mA(DC OR 1000 Hz).						-	-
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.			○	-
VOLTAGE PROOF		500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	-
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			-	-
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			-	-
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTION.			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, - m/s ² AT 2 h, UNDER 10 CYCLES.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	-
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 15~35 → +85 → 15~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.						○	-
CORROSION, SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.			○	-
HYDROGEN SULPHIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)			① CONTACT RESISTANCE: mΩ MAX. ② NO HEAVY CORROSION.			-	-
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)			① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.			○	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION, 5 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			○	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230 ± 10 °C FOR IMMERSION DURATION, 3 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			○	-
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					<i>S. Tashiro</i>	<i>S. Tashiro</i>	<i>J. Ono</i>	<i>H. Yamamoto</i>	
FOR REFERENCE ONLY					'96.4.24	'96.4.24	'96.4.24	'96.4.24	
Subject to change without notice									
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF13-40DS-1. 25DSA(01)		
CODE NO.(OLD)		DRAWING NO.			PART NO.			1	
CL		ELC4-160787-01			CL 536 - 0635 - 3 - 01			1	



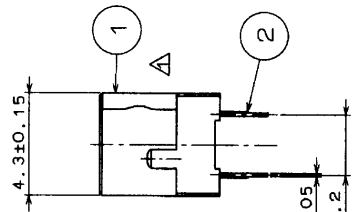
TO

ΔP/N	訂正記号	年月日	訂正記号	年月日	ΔP/N	訂正記号	年月日
POINT	DESCRIPTION OF REVISIONS	BY CHNGD	DATE	POINT	DESCRIPTION OF REVISIONS	BY CHNGD	DATE
5	RE-H-1938	小澤	66.7.11	5	RE-H-1938	小澤	66.7.11
1	RE-H-2099	梅原	97.7.7	1	RE-H-2099	梅原	97.7.7

1.25±0.15



27.85±0.3

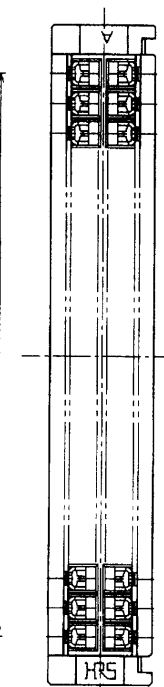


0.5±0.08

P=1.25±0.2

23.75±0.4

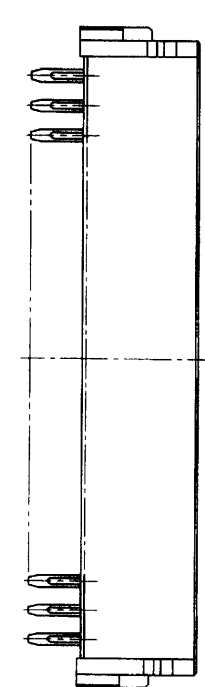
かん合
MATED CONNECTORS



φ9

DF13/DF13A-40DP-1.25V(O1)

DF13-40DS-1.25DSA(O1)



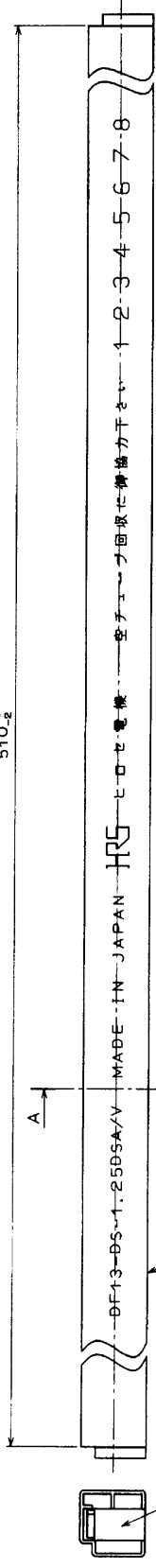
注1 推奨基板スルーホール径: φ0.6^{+0.05}
NOTE1: THROUGH HOLE DIA. ON BOARD: φ0.6^{+0.05}

1	ポリアミド樹脂	BEIGE、UL94V-0	2	リン青銅 CONTACT AREA: GOLD PLATED PHOSPHOR BRONZE	半田付け部: スズめっき SOLDERING AREA: TIN PLATED
部番	材質	処理、備考	部番	材質	処理、備考
備考	REMARKS		製図	図名	部品
			DRAWN	DESIGNED	CHECKED
			APPROVED	DATE	
FOR REFERENCE ONLY Subject to change without notice			製品名 PART NO. DF13-40DS-1.25DSA(O1)		
旧製品コード CODE NO. (OLD)			製品コード CODE NO. CL536-0635-3-01		
図番 DRAWING NO. ADC3-160787-01			HRS ヒロセ電機株式会社 HIROSE ELECTRIC CO., LTD.		
縮尺 SCALE 5:1			単位 UNITS mm		

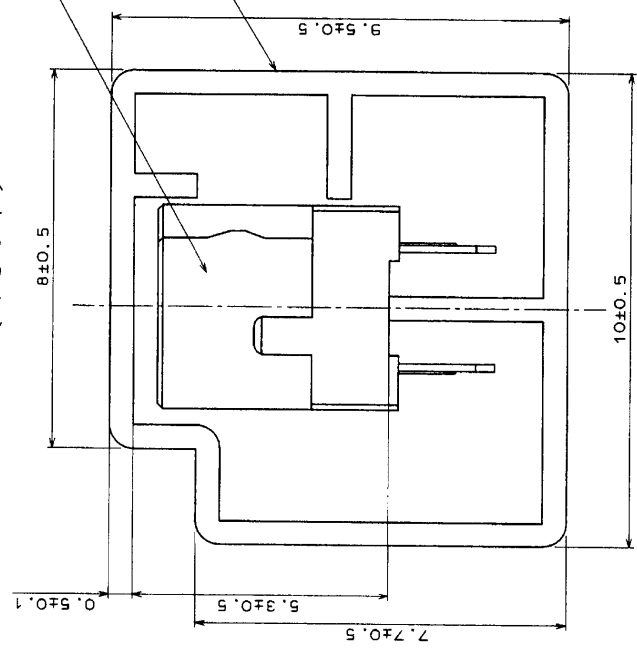
TO	

訂正記号 Δ	訂正記号 COUNT	年月日 DATE	訂正記号 Δ	訂正記号 COUNT	年月日 DATE
Δ			Δ		
Δ			Δ		
Δ			Δ		

510-2



A (10:1)



注1 マガジンケース1本当りのコネクタの入り数は17個となります。
 注2 最小販売単位は17個となります。

NOTES1. NUMBER OF CONNECTORS PER A MAGAZINE CASE SHALL BE 17.
 2. THESE CONNECTORS SHALL BE ON SALED IN ACCORDANCE WITH THE MULTIPLE QUANTITY OF 17.

2	DF13-40DS-1.25DSA(01)	静电防止処理(パープル) ELECTROSTATIC PROTECTION(PURPLE)	3	SBR	ストッパー(グリーン) STOPPER(GREEN)
1	PS	静电防止処理(パープル) ELECTROSTATIC PROTECTION(PURPLE)			
部番	材	質	部番	材	質
備考	材	質	部番	材	質

FOR REFERENCE ONLY
 Subject to change without notice

旧製品コード
 CODE NO. (OLD) ADC3-160787-02

図番
 DRAWING NO. DF13-40DS-1.25DSA(50)

尺貫単位
 FREE SCALE

単位
 mm

製造者
 HRS ヒロセ電機株式会社
 HIROSE ELECTRIC CO., LTD.

製品名
 PART NO. CL536-0635-3-50

製品コード
 CODE NO. 1