

KEL CORPORATION	8830□-□□□-170□□-GF SPECIFICATION	No.	SP-3026
		DATE	Sep. 19, 2006

1. SCOPE

1.1 SPECIFICATION for 8830□-□□□-170□□-GF

2. CODING RULES for PART NUMBER

8830□ - □□□ - 170 □ □ - G F

----- F : Lead-free

----- G : Contact finish : Gold

----- Gold plating thickness

None : Au 0.05μm or more

D : Au 0.25μm or more

H : Au 0.76μm or more

----- Terminal style

L : Right angle

S : Straight

----- Contact type

170

----- Number of contacts

020 : 20 pins	036 : 36 pins	068 : 68 pins
026 : 26 pins	040 : 40 pins	080 : 80 pins
030 : 30 pins	050 : 50 pins	100 : 100 pins
032 : 32 pins	052 : 52 pins	
034 : 34 pins	060 : 60 pins	

----- Series name

8830 : male

8830E : male (eject type)

3. MECHANICAL DETAILS

3.1 REFER to the DRAWINGS as LISTED BELOW.

PART NUMBER	DWG. No.	PART NUMBER	DWG. No.
8830E-□□□-170S□-GF	P 3A243	8830-□□□-170L□-GF	P 3A411

3.2 MATERIAL and FINISH

INSULATOR : Nylon 66, glass-filled, UL94V-0 (BLACK)

CONTACT : Copper alloy

CONTACT FINISH : Under plating Nickel (2~4μm)

Contact area / Gold plating thickness

None : Au 0.05μm or more

D : Au 0.25μm or more

H : Au 0.76μm or more

Terminal area / Gold plating (Au 0.03μm or more)

4. ELECTRICAL SPECIFICATION

4.1 CURRENT RATING

0.5A/Pin

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6.2 SALT SPRAY TEST (MIL-STD-202F METHOD-101D CONDITION B) Contact resistance shall be 30 mΩ or less ,after the test mentioned below; The test shall be done to mated connectors; SALT CONCENTRATION : 5 % TEMPERATURE : 35 °C DURATION : 48 hours 6.3 HUMIDITY TEST (MIL-STD-202F METHOD-103B CONDITION B) Contact resistance shall be 30 mΩ or less ,after the test mentioned below; The test shall be done to mated connectors; HUMIDITY : 90 to 95 % TEMPERATURE : 40 °C DURATION : 96 hours 6.4 RESISTANCE to SOLDERING HEAT Flow Soldering No damage shall be found after exposure to 260+/-5°C of environment for 10 s. Soldering by Hand No damage shall be found after exposure to 350+/-10°C of environment for 3 to 4 s. 7. OTHERS 7.1 TEMPERATURE RANGE -55°C to +85°C (Dew condensation has not occurred.) 7.2 This specification is prior to other catalogue.			
MADE BY	M. Abe Sep. 19, 2006	REV. DATE	APPROVED MADE DESCRIPTION
CHECKED BY	N. Saito Sep. 19, 2006	Jun. 7, 2007	A. Shimada S. Watanabe Added 8830-□□□-170□□-GF.
APPROVED BY	A. Shimada Sep. 19, 2006		
REVISION No.	2		