



**SPECIFICATIONS:**

- ELECTRICAL CHARACTERISTICS:**
  - CURRENT RATING: 0.5A MAX.
  - VOLTAGE RATING: 150V MAX.
  - CONTACT RESISTANCE: 50mΩ MAX.(INITIAL), 100mΩ MAX.(AFTER LIFE TEST).
  - INSULATION RESISTANCE: 100MΩ MIN.
  - Dielectric Withstanding Voltage : 500 V AC at sea level.
- MECHANICAL CHARACTERISTICS:**
  - DURABILITY: 5000 CYCLES.
  - INSERTION FORCE: 2.25kg MAX. WITH LATCH DEPRESSED.
  - WITHDRAWAL FORCE: 4.5kg MAX. WITH LATCH DEPRESSED.
  - OPERATING TEMPERATURE: -30°C ~ +70°C.
- MARKING: MARK "S" INSIDE OF THE CONNECTOR.
- PACKAGING : TAPE & REEL.
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- HALOGEN FREE PRODUCT IDENTIFICATION
- MARK ON PRODUCT: ●
- HALOGEN FREE PRODUCT IDENTIFICATION LOGO ON THE PACKAGING: ●
- FOR REFLOW SOLDERING LEAD-FREE PROCESS.
- PRINTED DATE CODE "YY MM DD" ON TOP OF THE CONNECTOR.



CODE	COLOR	Wavelength	Test Condition
A1(-) A2(+)	YELLOW	A2 → A1	I <sub>f</sub> = 20mA
B3(-) B2(+)	GREEN	B2 → B3	I <sub>f</sub> = 20mA
B1(-) B2(+)	ORANGE	B2 → B1	I <sub>f</sub> = 20mA

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
E	LED	1		GREEN,ORANGE
D	LED	1		YELLOW
C	SHELL	1	COPPER ALLOY	NI PLATING ALL OVER
B	8P8C CONTACT	8	PHOSPHOR BRONZE 0.30t	5u" Au ON CONTACT AREA; Matte Sn 120u" ON SOLDER TAIL; ALL OVER Ni 50u"MIN.
A	BODY	1	HIGH TEMP.THERMOPLASTIC	UL 94V-0 & BLACK

Singatron Enterprise Co., Ltd.  
信置企業股份有限公司

DECIMALS	ANGLES	TITLE	PART NO.	SCALE	UNIT	SHEET	REV.
X : ±0.50	X : ±2°	DWM	BING	2RJ3039-168411F	mm	1 / 1	B
X.X : ±0.30	X.X : ±1°	CHKD	ALLEN	SCALE 4:1	mm		
X.XX : ±0.20		APVD	BOYE	SIZE: A3			

REV.	ECN NO. OR DESCRIPTION	REVISED	DATE
A	PDR NO:T161219-7A	Allen	2017.06.21
B	ECN NO:S202004-C05	BING	2020.04.26