



**SPECIFICATIONS:**

1. ELECTRICAL CHARACTERISTICS:
  - 1-1. CURRENT RATING: 1.8A (PIN1,4), THE OTHER CONTACTS 0.25A MIN.
  - 1-2. CONTACT RESISTANCE: 30mΩ(PIN1,4)/OTHER CONTACTS 50mΩ
  - 1-3. INSULATION RESISTANCE: 100MΩ MIN. @ 100V DC.
  - 1-4. DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE.
2. MECHANICAL CHARACTERISTICS:
  - 2-1. INSERTION FORCE: 10N~20N FOR INITIAL, AND 8N~20N AFTER TEST.
  - 2-2. WITHDRAWAL FORCE: 10N~20N FOR INITIAL, AND 8N~20N AFTER TEST.
3. LIFE TEST: 5,000 CYCLES MIN.
4. OPERATING TEMPERATURE: -55°C TO +85°C.
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING.
7. PACKAGE: SEE "2UB1593-120111F" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
9. OTHER GENERAL SPEC. TO REFER "2UB1593-120111F SPEC".

**PART NO.**

**2UB1593-120111F**

SHELL PLATING  
1: BLACK NICKEL

SUFFIX: HALOGEN FREE

PACKAGE

1: TAPE AND REEL

HOUSING COLOR

1: BLACK

LEG LENGTH  
2: Contact-1.0mm  
Shell-1.2mm

CONTACT PLATING  
1: GOLD 1u" Min. ON CONTACT AREA,  
MATE TIN 80u" Min. ON SOLDER AREA,  
50u" NICKEL UNDERPLATED OVERALL.

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2015.12.02
B	ECN NO: L160011	IVY-C	2016.03.29
C	ECN NO: L160090	IVY-C	2016.07.06
D	ECN NO: L170049	EVEN	2017.06.15
E	ECN NO: L170117	EVEN	2017.12.06

E	Mylar	2	YELLOW
D	INK		BLACK
C	SHELL	1	STAINLESS STEEL 0.3t SEE PART NO.
B	CONTACT	9	PHOSPHOR BRONZE 0.25t SEE PART NO.
A	HOUSING	1	PART UL 94V-0 BLACK
NO	DESCRIPTION		MATERIAL PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES			
Singatron Enterprise Co., Ltd. 信亨企業股份有限公司			
TITLE USB 3.0 A TYPE FEMALE, R/A, DIP TYPE, CH=3.40			
DWN	DATE 2017.12.06	PART NO. 2UB1593-120111F	
CHKD	DATE 2017.12.06	SCALE 1:1 UNIT: mm	
APVD	DATE 2017.12.06	SIZE: A3 SHEET: 1 OF 1 REV: E	

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