ELECTRICAL:
CURRENT RATING: 5A Min. for VBUS, 1.25A Min. for Other
CONTACT RESISTANCE:
40 milliohm Max.
INSULATION RESISTANCE:
100 Megaohm Min.
DIELECTRIC WITHSTANDING VOLTAGE:
100 VAC for 1 Minute
OPERATING TEMPERATURE: -55°C ~ 85°C

MATERIAL:
INSULATOR: LCP, UL94V-0
CONTACTS: Copper Alloy
CONTACT PLATING:
Gold Plating over 50µ” Nickel on Contact Area,
100µ” Tin/Plating over 50µ” Nickel on Solder Area
SHELL: Stainless Steel with 50µ” Nickel Plating

Mechanical:
INSERTION FORCE: 5 ~ 20N Max.
WITHDRAWAL FORCE: 8 ~ 20N Kg
DURABILITY: 10,000 Cycles

HOW TO ORDER:
- 0 2 0 - 9 0 0 X X
# OF POSITIONS
2 - Female Straight
BODY STYLE
2 - 24 Position SMT
MOUNTING STYLE
09 - Surface Mount Vertical
Type 2, with 1 SMT Shell Point, 9.3mm Height
CONTACT AREA PLATING
0 - 4u” Au
1 - 7u” Au
2 - 10u” Au
3 - 15u” Au
4 - 30u” Au
PACKAGING
0 - Tray
2 - Tape & Reel
RoHS
COMPLIANT

Isometric View
Recommended PCB Layout

USB 3.1 Receptacle, Surface Mount Vertical, Type 2, with SMT (1) Shell Point
9.3mm Height

REV
0 0 0 0 0 0 0 0 0 0 X X Z
SENSOR TECHNOLOGY, INC.
SMP TECHNOLOGY, INC.

TOL. DEC. X +/- 0.30 XX +/- 0.25 XXX +/- 0.10 UNIT: mm SERIES: U025-0209-00XX-Z