9258 Ultra Low Profile Stacker

GENERAL DESCRIPTION

The SOLO series 9258 is a one-piece connector used to connect two PCBs in a cost effective manner.

This connector is a 1.0mm pitch available in an 8 position with stack heights of 0.40mm and 0.80mm. It is available with or without location bosses.

This connector is designed for PCB surface mounting and is supplied in tape and reel packaging. Gold plated pads on the mating PCB or suitable flex circuits provide connection between the boards.

APPLICATIONS

Suitable applications include:
- Mobile phones
- Handheld scanners
- Portable medical devices
- Display interface

KEY FEATURES AND BENEFITS

Single piece connector – no mating half connector required to connect two boards together which means:
- Reduced assembly time
- Only one part to purchase and stock
- Due to the unique contact design, the mating device does not have to be parallel
- Extremely robust when it comes to shock and vibration

RoHS COMPLIANT

HOW TO ORDER

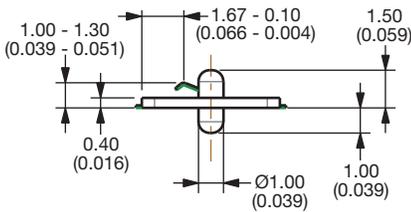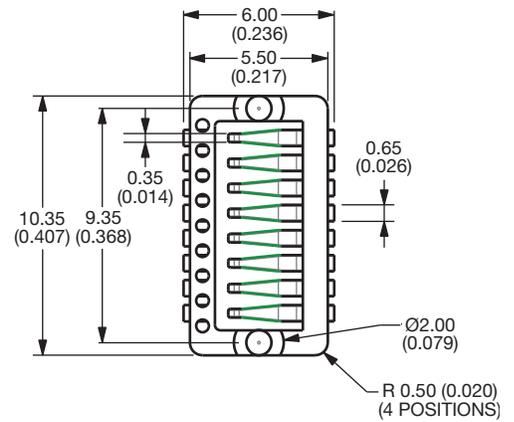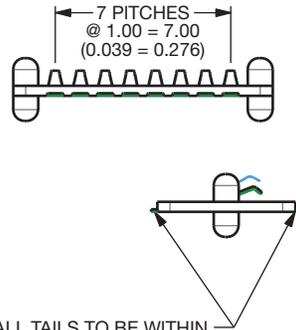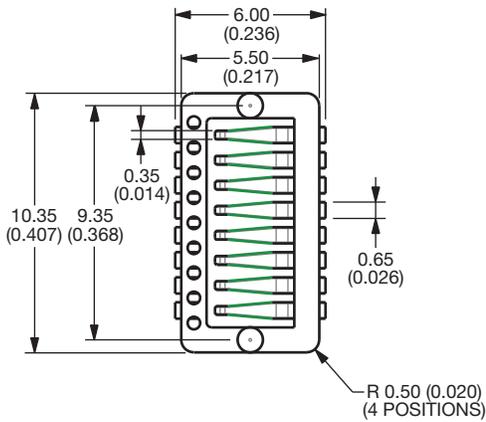| 00	9258	008	XXX	06	X
Prefix 00 = Standard	**Series**	**No of Ways**	**Stack Height** 004 = 0.40mm 008 = 0.80mm	**Plating Variation** 06 = Selective Gold 0.25µm Gold Plated Contact Nose, Pure Tin Tail	**PCB Location Bosses** 1 = With Mating PCB Location Bosses (top side) 2 = Without PCB Location Bosses 3 = With SMT PCB Location Bosses (bottom side) 4 = With SMT and Mating PCB Location Bosses (top and bottom sides)

9258 Ultra Low Profile Stacker

0.4mm Ultra Low Profile Stacker

6.00
(0.236)

5.50
(0.217)

0.35
(0.014)

10.35   9.35
(0.407) (0.368)

0.65
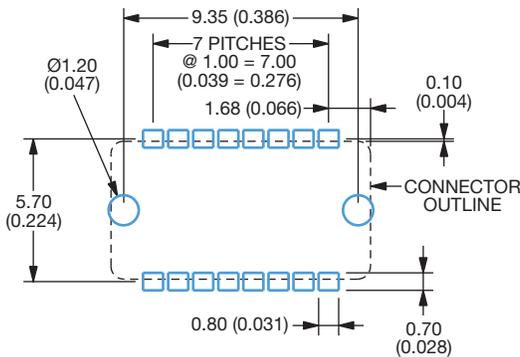(0.026)

R 0.50 (0.020)
(4 POSITIONS)

1.00 - 1.30
(0.039 - 0.051)

1.67 - 0.10
(0.066 - 0.004)

1.50
(0.059)

0.40
(0.016)

Ø1.00
(0.039)

1.00
(0.039)

0.8mm Ultra Low Profile Stacker

6.00
(0.236)

5.50
(0.217)

0.35
(0.014)

10.35   9.35
(0.407) (0.368)

0.65
(0.026)

Ø2.00
(0.079)

R 0.50 (0.020)
(4 POSITIONS)

1.40 - 1.70
(0.055 - 0.067)

1.85 - 0.10
(0.073 - 0.004)

1.90
(0.075)

0.40
(0.016)
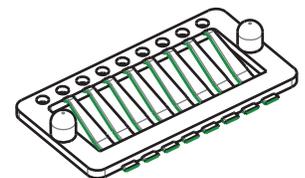
Ø1.00
(0.039)

1.00
(0.039)

0.80
(0.031)

7 PITCHES
@ 1.00 = 7.00
(0.039 = 0.276)

ALL TAILS TO BE WITHIN
0.10 (0.004) MAXIMUM
COPLANARITY TOLERANCE
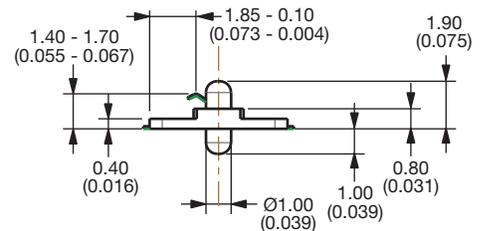
PROPOSED SMT PCB LAYOUT
ALL PADS PURE TIN PLATE

9.35 (0.386)

7 PITCHES
@ 1.00 = 7.00
(0.039 = 0.276)

1.68 (0.066)

0.10
(0.004)

Ø1.20
(0.047)

CONNECTOR
OUTLINE

5.70
(0.224)

0.80 (0.031)

0.70
(0.028)

PROPOSED MATING PCB LAYOUT
ALL PADS GOLD PLATE

1.68
(0.066)

7 PITCHES
@ 1.00 = 7.00
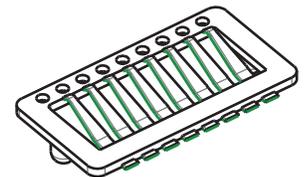(0.039 = 0.276)

CONNECTOR
OUTLINE

2.75
(0.108)

Ø1.20
(0.047)

0.70 (0.028)

9.35 (0.368)

**WITH MATING PCB
LOCATION BOSSES
(TOP SIDE)**

**WITHOUT PCB
LOCATION BOSSES**

**WITH SMT PCB
LOCATION BOSSES
(BOTTOM SIDE)**
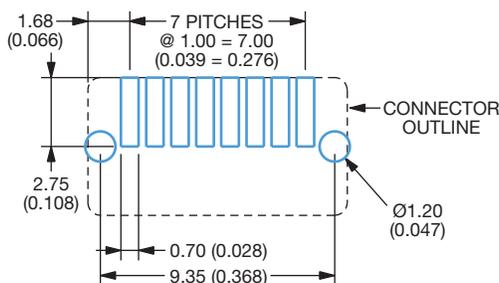
**WITH PCB AND SMT
LOCATION BOSSES**