ADAM TECH 2.00mm RECEPTACLE STRIPS

ADAM TECHNOLOGIES INC.

.079" [2.00] CENTERLINE
2RS SERIES

INTRODUCTION:
Adam Tech 2RS Series receptacle strips are designed for compact applications where dense board-to-board packaging is required. They are low-profile and feature a durable multi-sided contact structure which provides a high normal force after repeated mating cycles. They are available with a variety of options including thru-hole and surface mount types.

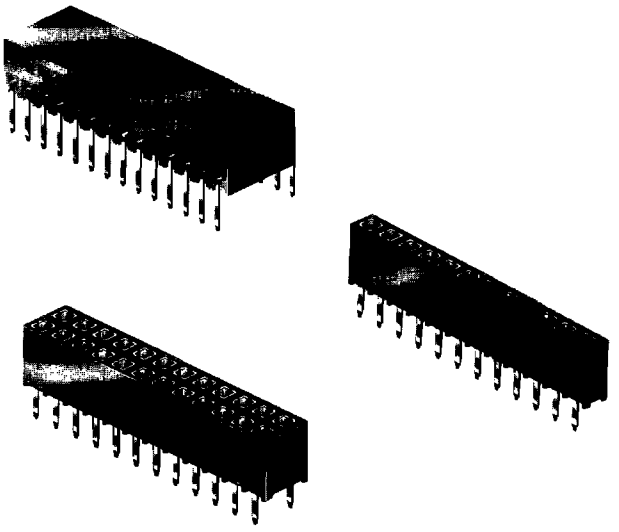
FEATURES:
- ❑ Low profile and compact for high density packaging
- ❑ High durability contact system has high normal force after many mating cycles
- ❑ Choice of single or dual row types in vertical or right angle mount
- ❑ Custom pin lengths available

MATING OPTIONS:
Mates with Adam Tech 2PH Series headers and any .020 [0.50] posts on .079" [2.00] centerline

SPECIFICATIONS:
Material:
Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0
Contacts: Phosphor Bronze
Plating:
G = 5 µin gold nom. (optional 30 µin) to MIL-G-45204, Type II, Grade C on contact area over 50 µin nickel underplate to QQ-N-290, Class 2, Grade C, gold flash on tails
SG = 5 µin gold nom. on mating length to MIL-G-45204, Type II, Grade C, 100 µin. tin-lead to MIL-P-81738 on solder-tails
T = 200 µin min bright tin plate to MIL-T-10727, Type 1 with 50 µin copper underplate to MIL-C-14550
Electrical:
Operation voltage: 250 VAC max
Current rating: 3 Amps max
Contact resistance: 20 mΩ max
Insulation resistance: 1000 MΩ min @ 650 VDC between adjacent contacts (75°F and 50% R.H.)
Dielectric withstanding voltage: 650 VDC min rms (sea level)
Mechanical:
Insertion force: 5 ozs. max per contact
Withdrawal force: 2.8 ozs. min per contact
Environmental:
Operating temperature: -65°C to + 125°C

PACKAGING:
Anti-static plastic trays

APPROVALS AND CERTIFICATIONS:
Recognized under the component program of Underwriters Laboratories, Inc. No. E167232
Certified by Canadian Standards Association No. LR75112



ORDERING INFORMATION

2RS1 **40** **G**

SERIES INDICATOR
2RS1 = 2.00mm Single Row, Vertical Mount, Receptacle Strip
2RS2 = 2.00mm Dual Row, Vertical Mount, Receptacle Strip
2RS2R = 2.00mm Dual Row, Right Angle, Receptacle Strip
2RS1R = 2.00mm Single Row, Right Angle, Receptacle Strip
2RS4 = 2.00mm 4 Row, Vertical Mount, Receptacle Strip
(see pg 165)

POSITIONS
Single Row: 1 thru 40
Dual Row: 2 thru 80
Four Row: 8 thru 120

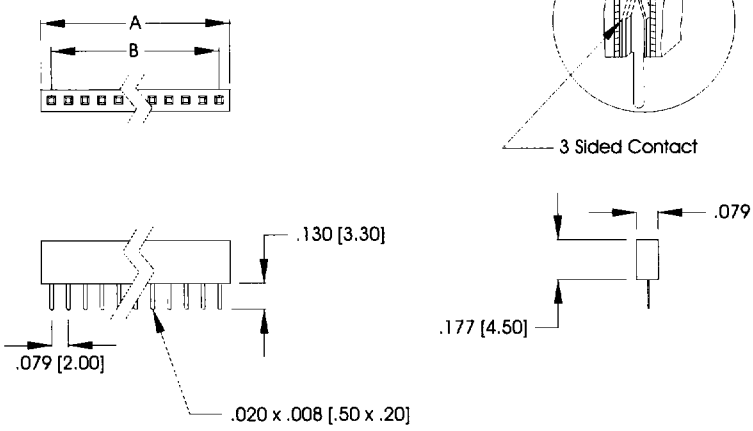
PLATING
G = Gold plated
SG = Gold plated contact area tin-lead plated solder tails
T = Tin plated

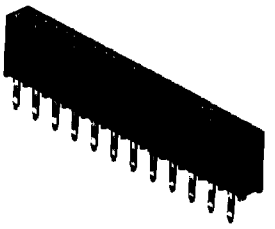
OPTIONS:
Add as suffix to basic part number
30 = 30 µin gold plating
SMT = Surface mount leads
P = Optional guide peg on SMT version

2.00mm RECEPTACLE STRIPS

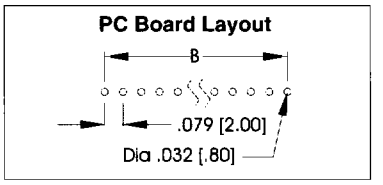
.079" [2.00] CENTERLINE

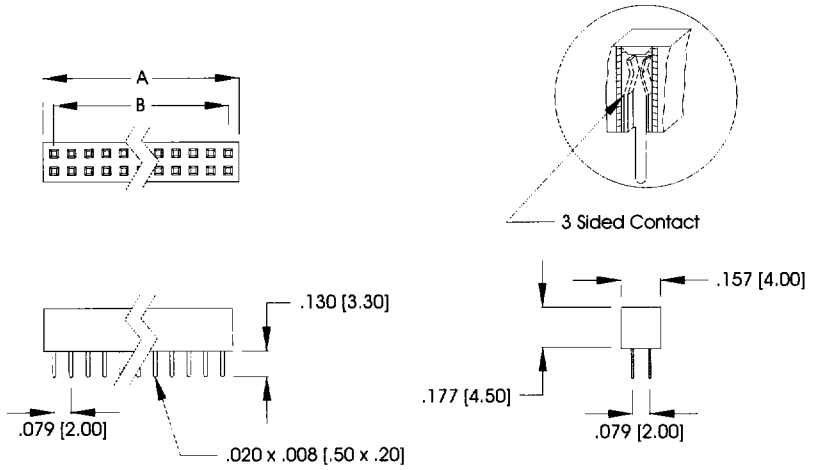
2RS SERIES

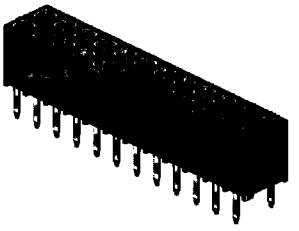




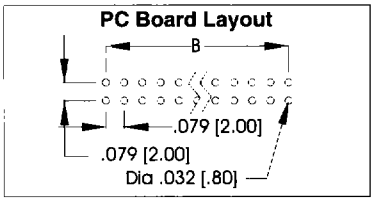
2RS1

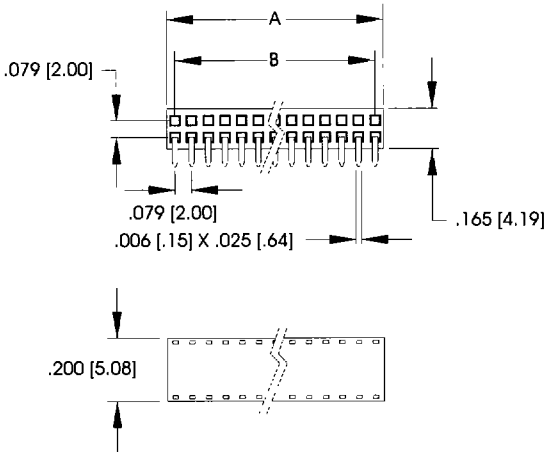


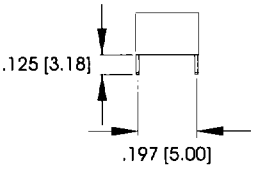


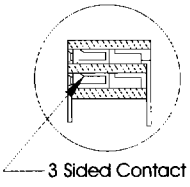


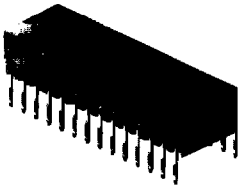
2RS2



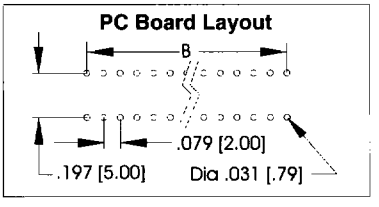








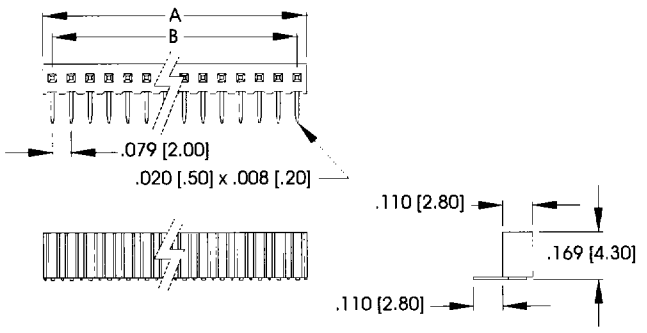
2RS2BR

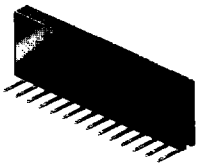


2.00mm RECEPTACLE STRIPS

.079" [2.00] CENTERLINE

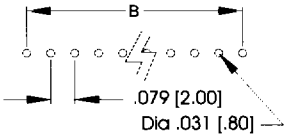
2RS SERIES

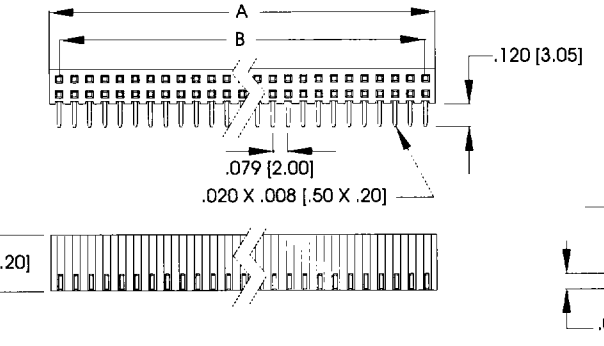




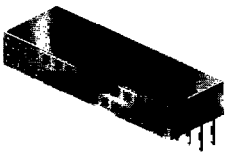
2RS1R

PC Board Layout



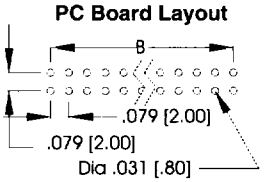


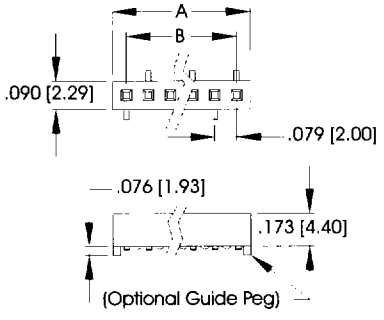
A = .079 [2.00] X No. of Positions Per Row
B = .079 [2.00] X No. of Spaces

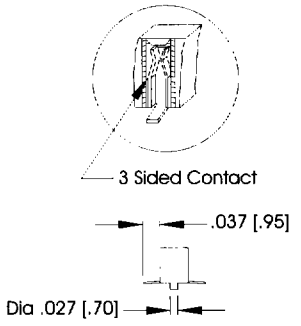


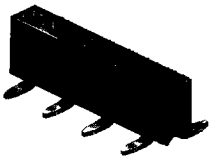
2RS2R

PC Board Layout



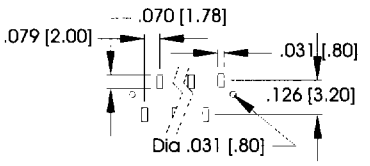


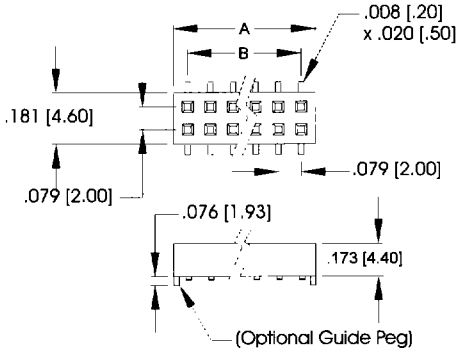


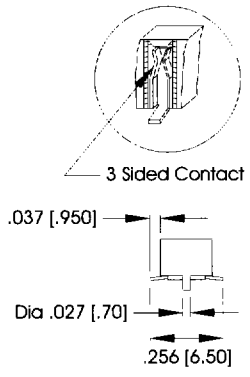


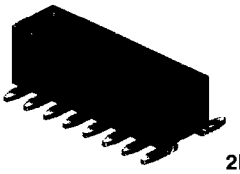
2RS1-SMT

PC Board Layout



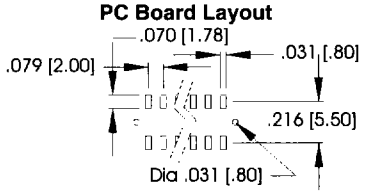






2RS2-SMT

PC Board Layout



A = .079 [2.00] X No. of Positions Per Row
B = .079 [2.00] X No. of Spaces