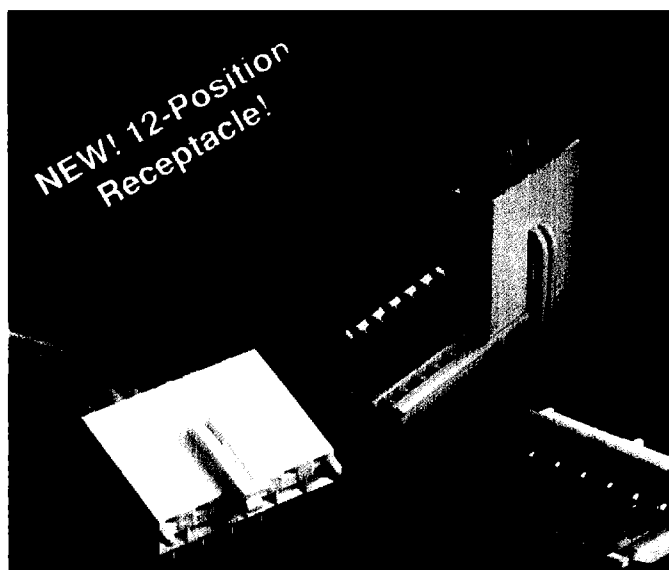


BURNDY



Burndy POSTLATCH™: Printed Circuit board post connector on .156 pitch

POSTLATCH simplifies the job of connecting discrete wire to the PCB, provides separability, offers discrimination feature.

- Widely used by the personal computer industry as a power header.
- Low cost reliability, unique contact geometry and tin alloy plating deliver gas tight, high pressure interconnections.
- Closed bottom design prevents wicking of solder into contact area, stand-offs provide thorough flushing of accumulated solder residues.
- Detent lock provides simple but effective latching without need for tools.

Characteristics

Electrical:

Operating Voltage: 250 VAC RMS
Current Rating: 5 amp continuous
Insulation Resistance: 500VDC
Operating Temp: -40°C to +85°C
Contact Resistance: 20 milliohms (max)
Dielectric Withstanding Voltage: 1500 VAC-60 Hz
between adjacent positions for 1 second, No
evidence of tracking, flashover or breakdown

Mechanical/Environmental:

Insertion Force: 12 oz. 3.4N/contact
Withdrawal Force: 0.5 oz. 14N/ contact

Durability: 30 mate/unmate cycles with no
degradation

Contact Retention: 1.5 lbs. 6.7N min.

Crimp Joint Characteristics: meets applicable
requirements of Mil-T-7928

Vibration: No loosening parts, damage or
malfunction after 6 hrs. conditioning in 3 planes;
10-55 hz. and 0.76 displacement

Shock: No loosening of parts, damage or
malfunction at 50G shock level (3 shocks)

Humidity: No electrical degradation after 96 hours
exposure to 95%RH@40°C



**FRAMATOME CONNECTORS
INTERNATIONAL**

BURNS008

POSTLATCH™ Receptacle Connector

Technical drawing of a 16-pin connector showing top, side, and detail views with dimensions in inches.

Top View: Shows a 16-pin connector with a center-to-center pitch of C . The drawing is split to show the full width of the connector.

Side View: Shows the profile of the connector with the following dimensions:

- Overall height: $.57$
- Pin height: $.022$ TYP
- Pin diameter: $.075$ TYP
- Pin spacing: $.156$ TYP
- Pin diameter: $.175$
- Pin diameter: $.135$
- Pin diameter: $.050$ REF
- Pin diameter: $.017$ REF
- Pin diameter: $.220$
- Pin diameter: $.190$

Detail View: Shows a close-up of the pin with the following dimensions:

- Pin diameter: $.41$
- Pin diameter: $.128$
- Pin diameter: $.108$
- Pin diameter: $.085$
- Pin diameter: $.017$ REF
- Pin diameter: $.220$
- Pin diameter: $.190$

Technical drawing of a 12-position connector. The drawing includes three views: a top view, a side view, and a bottom view. Dimensions are provided in inches.

Top View Dimensions:

- Overall width: .075
- Pin pitch: .156
- Pin diameter: .040
- Distance from left edge to first pin: .075
- Distance between pins: .156
- Distance from last pin to right edge: .075
- Overall length: E

Side View Dimensions:

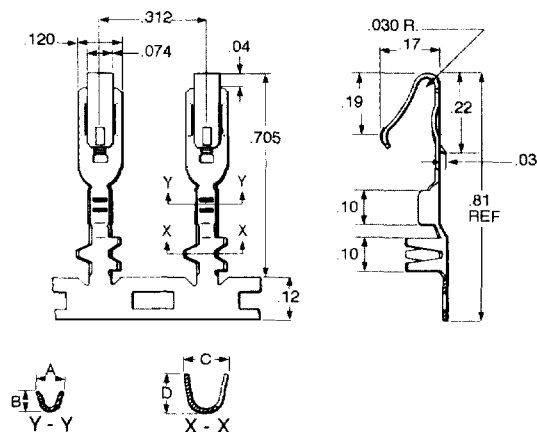
- Overall height: .750
- Pin height: .25
- Pin diameter: .09
- Distance from top edge to pin base: .087
- Distance from bottom edge to pin base: .073
- Distance from left edge to pin base: .088
- Distance from right edge to pin base: .204

Bottom View Dimensions:

- Overall width: .043
- Pin pitch: .15
- Pin diameter: .043
- Distance from left edge to first pin: .043
- Distance between pins: .15
- Distance from last pin to right edge: .043
- Overall length: F
- Distance from bottom edge to pin base: .079
- Overall length: G

Pin Configurations:

- 12 POSITION:** 12 pins arranged in two rows of 6. Reference pins are indicated by arrows and the label ".078 REF".
- 6 POSITION:** 6 pins arranged in two rows of 3.
- 5 POSITION:** 5 pins arranged in two rows (3 in top, 2 in bottom).
- 4 POSITION:** 4 pins arranged in two rows of 2.
- 2 POSITION:** 2 pins arranged in two rows of 1.
- 1 POSITION:** 1 pin arranged in two rows of 1.



All dimensions shown are in inches.