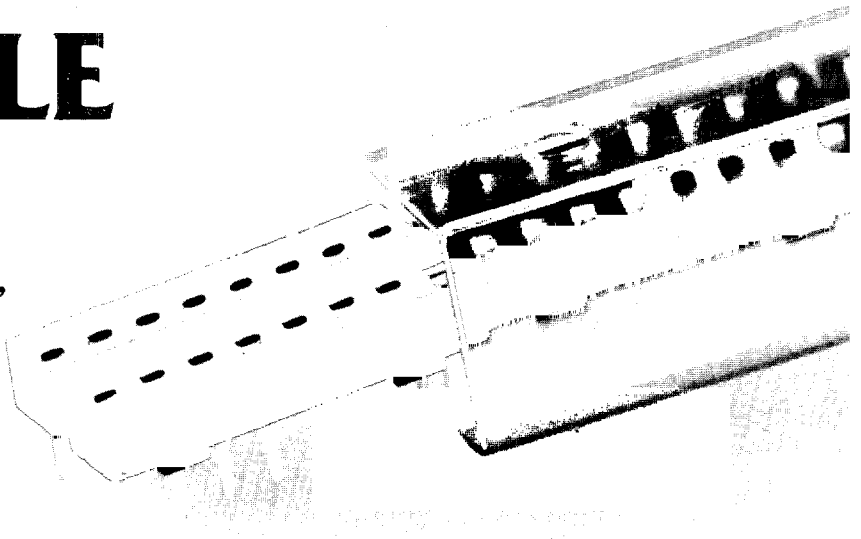
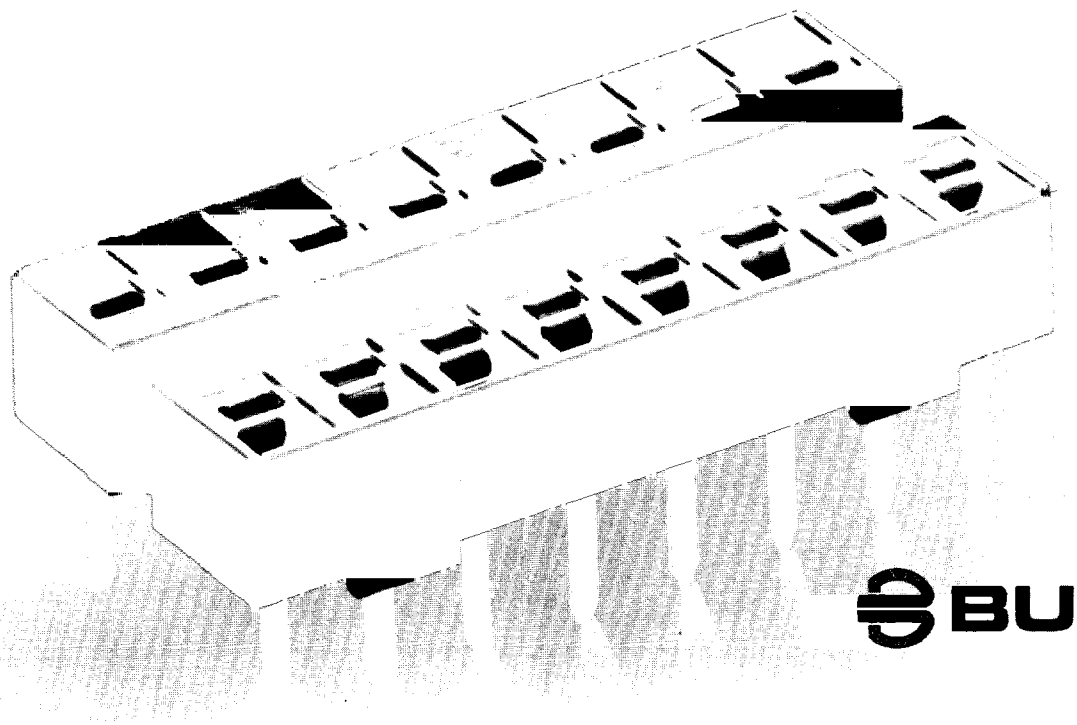
DILB-P11 DUAL IN-LINE RECEPTACLE



- Exclusive GTH™ contacts for low cost, high reliability, and good as gold performance.
- Exceeds the performance requirements of MIL-S-83734.
- Self-aligning contacts with tapered tails for faster assembly to P. C. board.
- Automatic machine insertable with state of the art insertion equipment. Supplied in antistatic plastic tubes.
- Accepts gold, tin or silver plated I. C.'s.
- High temperature UL94V-0 rated thermoplastic body.

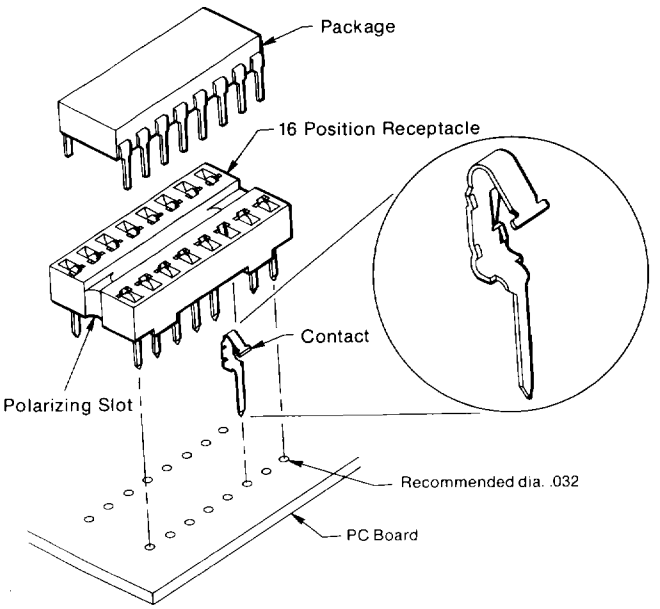
FOR IC PACKAGES AND HEADER DEVICES



BURNDY

Dual-In-Line Receptacle
Type DILB-P11

The new Burndy DILB-P11 series dual-in-line receptacle incorporates the latest technological advances in the development of pluggable leaded IC sockets. The DILB-P11 offers high reliability combined with low cost, easy installation and low profile design.



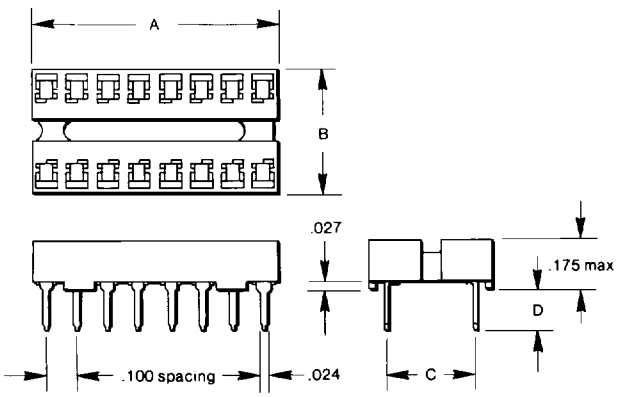
LOW COST RELIABILITY

The DILB-P11 contact design is based on the patented Burndy GTH™ principle of plastic deformation to break down surface oxides. A unique contact geometry and surface metal (tin alloy) plating form gas-tight, high pressure interconnections as reliable as gold plated systems — for as little as ½¢* a line. This new Burndy DIP Socket uses tin alloy plated brass contacts for consistent performance over a continuous operating temperature from −40° to +85°C. The Burndy DILB-P11 will accommodate IC packages of any finish — even unplated if resistance requirements permit.

EASY INSTALLATION

The unique contact design prevents wicking of solder into the contact area during the PC board flow-soldering process. The ventilated moldings with stand-offs allow easy removal of flux residue in the assembly operation.

Contact cavities are chamfered for easy insertion of the IC package and a polarizing indicator is provided for proper package alignment. In addition, a new body design permits easy logic monitoring and testing devices.



LOW PROFILE DESIGN

The compact body design of the new Burndy DILB-P11 dip socket provides utilization of available PC board area and a profile height of .175 maximum. The DILB-P11 series is available in a range of sizes from 8 to 40 positions.

*In volume

MATERIAL

Body: Thermoplastic polyester, glass reinforced. Color black.
Contacts: Copper alloy
Plating: DILB-P11 — Tin alloy (pre-plated)
Flammability Rating: UL 94 V-0

PERFORMANCE CHARACTERISTICS

Contact Resistance (maximum): 30 Milliohms

Test Current: 1 Ampere

Operating Temperature: Continuous -40°C to +85°C (1,000 hours, stress relaxation)
Short term -65°C to +125°C (Thermal shock, five, 30 minute cycles)

Insulation Resistance (500 V.D.C.): 100,000 Megohms minimum

Dielectric Withstanding Voltage: 1000 Volts A.C. RMS minimum.

Durability: 50 Cycles — No electrical degradation

Thermal Shock: MIL-STD 1344, Method 1003, Condition B. No physical or electrical degradation.

Moisture Resistance: MIL-STD 202, Method 106; except omit steps 7a and 7b. 300 Megohms minimum.

Vibration: MIL-STD 1344, Method 2005, Condition III. No electrical interruption greater than 1 microsecond.

Mechanical Shock: MIL-STD 202, Method 213, Condition I. No electrical interruption greater than 1 microsecond.

These performance characteristics conform to the requirements of MIL-S-83734A.

ORDERING INFORMATION

Catalog Number	Number of Contacts	Dimensions			
		A	B Max.	C ± .010	D ± .010
DILB 8P-11T	8	.400	.400	.300	.130
DILB14P-11T	14	.700			
DILB16P-11T	16	.800			
DILB18P-11T	18	.900			
DILB20P-11T	20	1.000			
DILB22P-11T	22	1.100	.500	.400	
DILB24P-11T	24	1.200	.700	.600	
DILB28P-11T	28	1.400			
DILB40P-11T	40	2.000			

BURNDY
NORWALK, CONN. 06856

Printed in U.S.A.
REORDER NO. 1002

CG-802781
REV.-CG-51381