

Grayhill Test Clips & Components

MANU
174
CODE



02-60



02-0
THREADED
STUD



02-1
BANANA
PLUG



02-4 THREADED STUD
WITH INSULATING
WASHERS

STANDARD TEST CLIPS

The basic clip is available in four types of mounting. Designed for panel mounting on test equipment to allow rapid connections without manually opening and closing of jaws. Hex nut allows for tension adjustment of each clip. Clips are nickel plated brass. Length of test clip (excluding mounting base) is 1.14" max.

| Cat. No. | Description | Net Price |
|----------|--|-----------|
| 02-0 | #8-32 threaded stud for panels to 1/4" | \$2.57 |
| 02-1 | Standard banana plug | 4.15 |
| 02-4 | 2-0 with washers for panels to .187" | 3.84 |
| 02-60 | Extruded hole, tapped #8-32 | 2.62 |



02-20
THREADED
STUD



02-21
BANANA
PLUG



02-24
THREADED STUD
WITH MOLDED PHENOLIC
INSULATING WASHERS

MINIATURE TEST CLIPS

Miniature version of the standard 2-0 test clip. Clip extends only 3/4" above mounting panel. Designed to allow rapid connections without manually opening and closing jaws. Hex nut under clip allows for tension adjustment. All metal parts are nickel plated brass except threaded stud which is nickel plated steel.

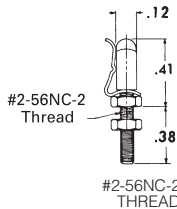
| Cat. No. | Description | Net Price |
|----------|-------------------------------|-----------|
| 02-20 | 6-32 threaded stud | \$2.90 |
| 02-21 | Banana plug | 4.25 |
| 02-24 | 6-32 stud, insulating washers | 3.84 |



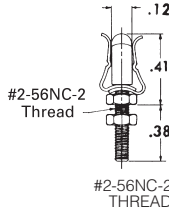
02-41
SINGLE
CLIP



02-42
DOUBLE
CLIP



#2-56NC-2
THREAD



#2-56NC-2
THREAD

ULTRA MINIATURE TEST CLIPS

For simplified, rapid testing of "pig-tail" lead components, also single wire connections and breadboard work. Panel area required, exclusive of nut; single unit -3/16" x 1/8"; double unit -1/4" x 1/8". Mounting stud -3/8" long. Hex nut under spring adjusts tension. Nickel plated brass with nickel plated, heat treated beryllium copper spring.

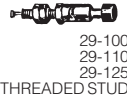
| Cat. No. | Description | Net Price |
|----------|-----------------------|-----------|
| 02-41 | Single, Nickel plated | \$2.90 |
| 02-42 | Double, Nickel plated | 3.10 |



29-104
MOLDED
PHENOLIC
WASHERS



29-101
BANANA
PLUG



29-100
29-110
29-125
THREADED STUD

PUSH POSTS

These posts are operated by depressing the plunger, inserting leads, and releasing plunger. Spring pressure assures firm, positive contact. Only 3/4" over-all height above mounting surface. Nickel plated brass parts. No. 29-125 same as 29-110 except with stainless steel spring for temperature to 600°F.

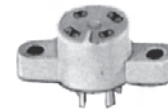
| Cat. No. | Description | Net Price |
|------------|------------------|-----------|
| 29-100 RED | Red button cap | \$4.23 |
| 29-100 BLK | Black button cap | 4.23 |
| 29-101 RED | Red button cap | 6.57 |
| 29-101 BLK | Black button cap | 6.57 |
| 29-104 RED | Red button cap | 5.81 |
| 29-104-BLK | Black button cap | 5.81 |
| 29-110 | No button cap | 4.03 |
| 29-125 | No button cap | 4.49 |



COLOURED SLEEVES FOR NO. 31 TEST JACKS

Sleeves snap-on and permanently lock in place over test jack. Molded of thermosetting plastic. Overall dimensions: .24" dia. x .29" high. Comes in five different colors.

| Cat. No. | Colour | Net Price |
|-----------|--------|-----------|
| 31B-1 BLK | Black | \$2.45 |
| 31B-2 RED | Red | 2.45 |
| 31B-3 GRN | Green | 3.08 |
| 31B-8 WHT | White | 3.20 |



TRANSISTOR SOCKET

Designed for TO-12, TO-33 type transistors. Leads fit on 100 mil grid for printed circuits. Socket fits through 3/8" hole and may be fastened with rivets or #2 screws. Terminal numbers are molded into bottom of socket and top face has key rib for alignment with transistor tab. Contacts are silver-plated beryllium copper with gold flash. Molded mica-filled phenolic.

| Cat. No. | Net Price |
|----------|-----------|
| 22-11 | \$3.79 |



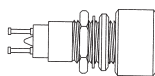
BI-PIN LAMP SOCKET

Accepts T-1-1/4, T-1-3/4 subminiature bi-pin lamps. Leads should be trimmed to .150" length for proper fit. Obsolete practice of soldering lamps directly into circuit. Terminals and contacts are heat treated beryllium copper with lead-tin plate. Socket body material is molded phenolic.

| Cat. No. | Net Price |
|----------|-----------|
| 22-3 | \$5.60 |



515-0051



515-0074

DATALAMP HOLDERS AND CARTRIDGES

Ultra-compact—mounts in $\frac{3}{16}$ " clearance hole. Lamp cartridge is easily unplugged from front of panel. Collar, flange ring, and mounting bushing are aluminum with black anodize finish. The holders listed have solder cup terminals and turret terminals. 515-0051 Speed Clip: An effective fastening for use where conventional mounting is not practical. Counter-pressure of Speed Clip and flange of Cartridge secures the unit tightly against the panel. May be used with all Datalamp Cartridges. Self-retaining, dependable, vibration-proof. Made of heat-treated spring steel.

DATALAMP HOLDERS

| Cat. No. | Description | Terminals | Back Projection | Net Price |
|--------------|----------------------------------|-----------|--------------------|-----------|
| 508-7545-504 | Cartridge for incandescent & LED | Solder | 1 $\frac{1}{32}$ " | \$9.89 |
| 508-8745-504 | Cartridge for incandescent & LED | Turret | 1 $\frac{1}{32}$ " | 9.42 |
| 508-8738-504 | Cartridge for neon | Turret | 1 $\frac{1}{8}$ " | 8.98 |

DATALAMP CARTRIDGE CONNECTORS

| Cat. No. | Description | Length | Net Price |
|----------|---------------------|------------------|-----------|
| 515-0074 | Cartridge Connector | $\frac{3}{16}$ " | \$2.98 |
| 515-0051 | Speed Clip | — | 1.35 |



111-8430-0111-201
CONVEX LENS CAP



101-3830-0931-201
STOVEPIPE LENS CAP



140-8430-1471-201
CYLINDRICAL LENS CAP



162-8430-0931-502
162 SERIES

DIALIGHT $\frac{15}{32}$ " SUBMINIATURE ASSEMBLIES

Extra compact assemblies for use with T-1 $\frac{3}{4}$ incandescent bulbs ranging from 1.35 to 28 volts. Lens caps unscrew for bulb replacement from front of panel. Lamp, socket and all connections are completely insulated from bushing and panel. Mount in $\frac{15}{32}$ " clearance hole. **3830** series assemblies mount from front or back of panel, with mounting nuts forming a moveable flange. **8430** series mount from front of panel only and have a fixed flange. All except **162** series are brass with black nickel finish. **162** series assemblies are aluminum with black anodize finish, and have anti-rotation tab on flange. Not supplied with lamp.

FOR USE WITH T-1 $\frac{3}{4}$ MIDGET FLANGE INCANDESCENT LAMPS OR BASED LED'S

| Cat. No. | Colour | Net Price |
|---|--------|-----------|
| FRONT OR BACK INSERTION, MOVEABLE FLANGE, CONVEX LENS CAP—BACK FROSTED | | |
| 111-3830-0111-201 | Red | \$23.74 |
| FRONT OR BACK INSERTION, MOVEABLE FLANGE, TRANSLUCENT STOVEPIPE LENS CAP | | |
| 101-3830-0971-201 | Red | 13.14 |
| 101-3830-0973-201 | Green | 29.01 |
| 101-3830-0975-201 | White | 14.21 |

FOR USE WITH T-1 $\frac{3}{4}$ MIDGET FLANGE INCANDESCENT LAMPS OR BASED LED'S (CONTINUED)

| Cat. No. | Colour | Net Price |
|---|--------|-----------|
| FRONT OR BACK INSERTION, MOVEABLE FLANGE, TRANSPARENT STOVEPIPE LENS CAP | | |
| 101-3830-0931-201 | Red | \$14.21 |
| 101-3830-0932-201 | Green | 50.40 |
| 101-3830-0933-201 | Yellow | 12.16 |
| 101-3830-0935-201 | White | 14.58 |
| FRONT OR BACK INSERTION, MOVEABLE FLANGE, TRANSLUCENT CYLINDRICAL LENS CAP | | |
| 140-3830-1471-201 | Red | 29.01 |
| 140-3830-1472-201 | Green | 52.26 |
| 140-3830-1473-201 | Yellow | 16.25 |
| 140-3830-1475-201 | White | 10.43 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, CONVEX LENS CAP—BACK FROSTED | | |
| 111-8430-0111-201 | Red | 14.93 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSLUCENT STOVEPIPE LENS CAP | | |
| 101-8430-0931-201 | Red | 26.39 |
| 101-8430-0932-201 | Green | 26.39 |
| 101-8430-0933-201 | Yellow | 11.97 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSLUCENT CYLINDRICAL LENS CAP | | |
| 140-8430-1471-201 | Red | 11.77 |
| 140-8430-1472-201 | Green | 14.87 |
| 140-8430-1473-201 | Yellow | 16.06 |
| 140-8430-1474-201 | Blue | 16.06 |
| 140-8430-1475-201 | Yellow | 15.70 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSLUCENT STOVEPIPE LENS CAP | | |
| 162-8430-0971-502 | Red | 46.40 |
| 162-8430-0972-502 | Green | 26.00 |
| 162-8430-0973-502 | Yellow | 20.76 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSPARENT STOVEPIPE LENS CAP | | |
| 162-8430-0931-502 | Red | 15.16 |
| 162-8430-0932-502 | Green | 15.16 |
| 162-8430-0933-502 | Yellow | 18.10 |
| 162-8430-0935-502 | White | 21.72 |
| 162-8430-0937-502 | Clear | 18.94 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSLUCENT CYLINDRICAL LENS CAP | | |
| 162-8430-1471-502 | Red | 22.49 |
| 162-8430-1472-502 | Green | 22.91 |
| 162-8430-1473-502 | Yellow | 22.91 |
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSPARENT CYLINDRICAL LENS CAP | | |
| 162-8430-1431-502 | Red | 22.91 |



DIALIGHT $\frac{15}{32}$ " NEON DATALAMPS

For use with T-2 neon glow lamps and C7A (NE-2D) neon lamps, standard brightness 105-125 VAC.

| Cat. No. | Colour | Net Price |
|---|--------|-----------|
| FRONT OF PANEL INSERTION, FIXED FLANGE, TRANSPARENT STOVEPIPE LENS | | |
| 137-8836-0931-552 | Red | \$23.89 |
| 137-8836-0933-552 | Yellow | 23.89 |
| 137-8836-0935-552 | White | 44.70 |
| 137-8836-0937-552 | Clear | 44.24 |



125-0410-1111-403
STOVEPIPE LENS



103-3502-1331-403
TORPEDO FACETED LENS

DIALIGHT 1" OIL-TIGHT ASSEMBLIES

Rugged, designed for severe vibration conditions. Oil-tight, water-tight, dust-tight. Retained oil-proof elastomer "O" ring seal construction; high impact phenolic insulation. Mounts in 1" clearance hole. Caps unscrew from front of panel; give 180° light spread. Solid brass knurled lens holder, satin chrome finish. Unfrosted dome lenses are recommended as most suitable for neon lamps. Screw terminals. Lamp not supplied. U/L and CSA listed. 1/16" Oil-Tight Assemblies: Same features and high resistance to shock and vibration as 1" Oil-Tight Series. Mounts in 1/16" clearance hole. Satin chrome is standard finish on lens holder. Assemblies for use with B1A (NE-51) neon lamps have built-in resistor. Solder terminals. Lamp not supplied.

DIALIGHT 1" OIL TIGHT ASSEMBLIES, SCREW TERMINALS

| Cat. No. | Colour | Net Price |
|---|--------|-----------|
| DOME LENS BACK FROSTED, FOR USE WITH T-4-1/2 CANDELABRA SCREW NEON LAMPS | | |
| 103-3114-1211-403 | Red | \$65.40 |
| DOME LENS BACK FROSTED, FOR USE WITH S-6 CANDELABRA SCREW INCANDESCENT LAMPS | | |
| 103-3101-1213-403 | Amber | 43.70 |
| DOME LENS BACK FROSTED, FOR USE WITH S-6 CANDELABRA D.C. BAYONET INCANDESCENT LAMPS | | |
| 103-3502-1211-403 | Red | 89.98 |
| 103-3502-1212-403 | Green | 148.03 |
| 103-3502-1213-403 | Amber | 43.45 |
| DOME LENS UNFROSTED, FOR USE WITH T-4-1/2 CANDELABRA NEON LAMPS | | |
| 103-3114-1231-403 | Red | 56.23 |
| 103-3114-1235-403 | White | 56.89 |
| 103-3114-1237-403 | Clear | 57.68 |
| DOME LENS UNFROSTED, FOR USE WITH S-6 CANDELABRA SCREW INCANDESCENT LAMPS | | |
| 103-3101-1231-403 | Red | 137.03 |
| 103-3101-1232-403 | Green | 138.70 |
| 103-3101-1233-403 | Amber | 138.70 |
| 103-3101-1235-403 | White | 138.70 |
| 103-3101-1237-403 | Clear | 138.70 |
| DOME LENS UNFROSTED, FOR USE WITH S-6 CANDELABRA D.C. BAYONET INCANDESCENT LAMPS | | |
| 103-3502-1231-403 | Red | 33.02 |
| 103-3502-1232-403 | Green | 42.19 |
| 103-3502-1233-403 | Amber | 35.22 |
| 103-3502-1235-403 | White | 33.68 |
| FACETED TORPEDO UNFROSTED, FOR USE WITH T-4-1/2 CANDELABRA SCREW NEON LAMPS | | |
| 103-3114-1331-403 | Red | 56.23 |
| 103-3114-1333-403 | Amber | 65.40 |
| 103-3114-1335-403 | White | 66.66 |
| FACETED TORPEDO UNFROSTED, FOR USE WITH S-6 CANDELABRA SCREW INCANDESCENT LAMPS | | |
| 103-3101-1331-403 | Red | 33.27 |
| 103-3101-1332-403 | Green | 34.72 |
| 103-3101-1333-403 | Amber | 42.44 |
| 103-3101-1335-403 | White | 43.70 |
| FACETED TORPEDO UNFROSTED, FOR USE WITH S-6 CANDELABRA D.C. BAYONET INCANDESCENT LAMPS | | |
| 103-3502-1331-403 | Red | 114.79 |
| 103-3502-1332-403 | Green | 34.47 |
| 103-3502-1333-403 | Amber | 42.19 |
| 103-3502-1335-403 | White | 43.45 |
| 103-3502-1337-403 | Clear | 41.36 |

DIALIGHT 11/16" OIL TIGHT ASSEMBLIES, SOLDER TERMINALS

| Cat. No. | Colour | Net Price |
|---|--------|-----------|
| STOVEPIPE BACK FROSTED, BUILT-IN 56K RESISTOR FOR USE WITH B1A (NE-51) NEON LAMPS 105-125V AC-DC | | |
| 125-0408-1111-443 | Red | \$30.33 |
| 125-0408-1113-443 | Amber | 32.66 |
| STOVEPIPE BACK FROSTED, FOR USE WITH T-3-1/4 MINIATURE BAYONET INCANDESCENT LAMPS | | |
| 125-0410-1111-403 | Red | 81.19 |
| STOVEPIPE UNFROSTED, BUILT-IN 56K RESISTOR FOR USE WITH B1A (NE-51) NEON LAMPS 105-125V AC-DC | | |
| 125-0408-1133-443 | Amber | 26.57 |
| 125-0408-1135-443 | White | 26.25 |
| STOVEPIPE UNFROSTED, FOR USE WITH T-3-1/4 MINIATURE BAYONET INCANDESCENT LAMPS | | |
| 125-0410-1133-403 | Amber | 27.60 |
| 125-0410-1135-403 | White | 23.52 |
| 125-0410-1137-403 | Clear | 20.81 |
| STOVEPIPE INSIDE FLUTED, FOR USE WITH T-3-1/4 MINIATURE BAYONET INCANDESCENT LAMPS | | |
| 125-0410-1191-403 | Red | 20.81 |



DIALIGHT LAMP INSTALLERS

For fast and simple removal and installation of lamps used in pilot light assemblies. Two sizes are available to accommodate the most popular types of Incandescent and Neon lamps. Promotes speed on the production line without hazard to hands from broken bulbs. Indispensable for hard to reach places. Will not damage lamps. Made of high-grade rubber.

| Cat. No. | Fits Bulb Sizes | Net Price |
|----------|-------------------|-----------|
| 506-0073 | T-3/4 and S-6 | \$2.70 |
| 506-0045 | T-3/4 and T-4 1/2 | 8.82 |



81-0431-100
FACETED



135-1431
CYLINDRICAL



95-0931
STOVEPIPE

DIALIGHT 11/16" SCREW-IN LENS CAP ASSEMBLIES FOR PANEL MOUNTING

For use with separately mounted lamp sockets. 81 Series have white nickel finish. These lens caps have a 1/16"-27 thd. shank which screws into a 505-8112-102 Bushing Assembly. The Bushing Assembly mounts in a 1/16" clearance hole, has a shank length of 3/8", and is complete with nut and lock-washer. Lens caps are identical to those on Dialight 1/16" Enclosed Assemblies shown elsewhere in this listing.

| Cat. No. | Colour | Lens Diam. | Net Price |
|-------------------------------------|--------|------------|-----------|
| TRANSPARENT STOVEPIPE LENS | | | |
| 95-0931* | Red | 5/8" | \$1.76 |
| TRANSPARENT CYLINDRICAL LENS | | | |
| 135-1431* | Red | 5/8" | .97 |
| CONVEX LENS, BACK FROSTED | | | |
| 81-0111-100 | Red | 5/8" | 3.27 |
| 81-0112-100 | Green | 5/8" | 3.47 |
| FACETED LENS, UNFROSTED | | | |
| 81-0431-100 | Red | 5/8" | 3.47 |
| 81-0432-100 | Green | 5/8" | 3.47 |
| 81-0433-100 | Amber | 5/8" | 3.69 |
| 81-0434-100 | Blue | 5/8" | 3.91 |
| 81-0435-100 | White | 5/8" | 3.91 |

*NOTE: Other colours available: green (2), amber (3), blue (4), white (5), yellow (6), and clear (7). Replace the last digit with the corresponding number.