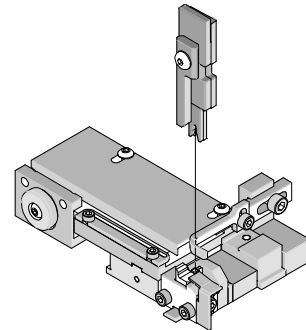




## T2 Terminator Tooling Specification Sheet Order No. 63911-4100



### FEATURES

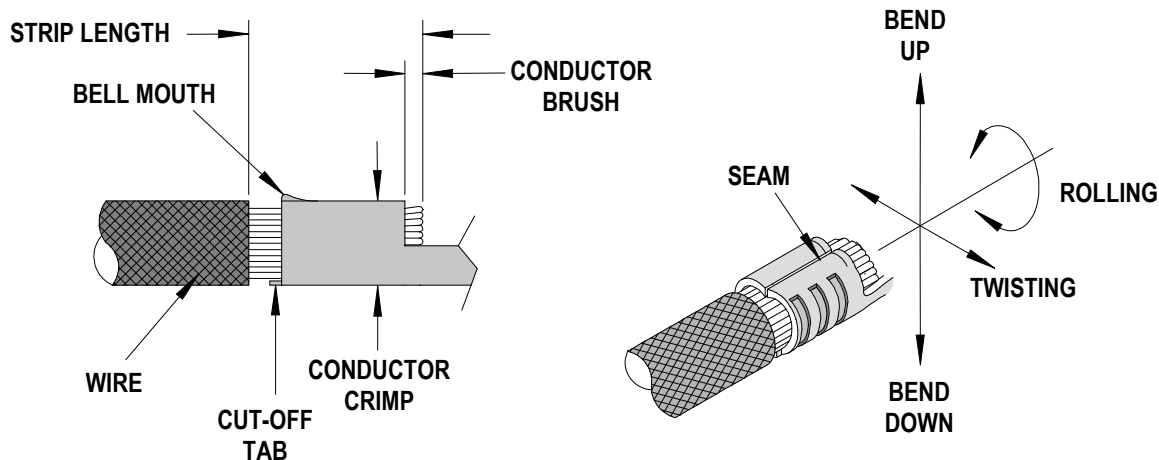
- It is ideally suited for mid-volume bench operations
- This terminator can be installed in the TM42 and the TM40 press or Base Unit adapter for 3BF press
- Quick punch removal with the push of a button for fast and easy tooling change
- Track adjustment capabilities in the T2 Terminators for improved control of the bell mouth size and cutoff tab length
- T2 Terminator has standardized tooling with the Molex FineAdjust Applicator which will reduce your inventory requirements

### SCOPE

Products: Projector Lamp Plug and Receptacle Terminal, 18-22 AWG.

| Terminal Series No. | Terminal Order No. |            | Wire Size |                 | Insulation Diameter |           | Strip Length |           |
|---------------------|--------------------|------------|-----------|-----------------|---------------------|-----------|--------------|-----------|
|                     |                    |            | AWG       | mm <sup>2</sup> | mm                  | In.       | mm           | In.       |
| 78036               | 78036-2001         | 78036-2005 | 18-22     | 0.80-0.35       | 2.06-3.85           | .081-.152 | 3.00-4.00    | .118-.158 |
| 78037               | 78037-2001         | 78037-2005 | 18-22     | 0.80-0.35       | 2.06-3.85           | .081-.152 | 3.00-4.00    | .118-.158 |

### DEFINITION OF TERMS



The above terminal drawing is a generic terminal representation. It is not an image of a terminal listed in the scope.

**CRIMP SPECIFICATION**

| Terminal Series No. | Bell mouth |           | Cut-off Tab Maximum |      | Conductor Brush |           |
|---------------------|------------|-----------|---------------------|------|-----------------|-----------|
|                     | mm         | In.       | mm                  | In.  | mm              | In.       |
| 78036               | 0.05-0.30  | .002-.012 | 0.15                | .006 | 0.20-1.00       | .008-.039 |
| 78037               | 0.05-0.30  | .002-.012 | 0.15                | .006 | 0.20-1.00       | .008-.039 |

| Terminal Series No. | Bend up   Bend down |   | Twist   Roll |   | Punch Width mm (Ref) |      | Seam<br>Seam shall not be open<br>and no wire allowed out<br>of the crimping area |
|---------------------|---------------------|---|--------------|---|----------------------|------|-----------------------------------------------------------------------------------|
|                     |                     |   |              |   | Conductor            |      |                                                                                   |
|                     | Degree (Max)        |   | Degree (Max) |   | mm                   | In   |                                                                                   |
| 78036               | 3                   | 3 | 3            | 5 | 2.00                 | .079 |                                                                                   |
| 78037               | 3                   | 3 | 3            | 5 | 2.00                 | .079 |                                                                                   |

After crimping, the crimp profiles should measure the following:

| Terminal Series No. | Wire Size | Actual mm² | Conductor Crimp |           |                    |      | Pull Force Minimum |       |
|---------------------|-----------|------------|-----------------|-----------|--------------------|------|--------------------|-------|
|                     |           |            | Crimp Height    |           | Crimp Width (Ref.) |      |                    |       |
|                     |           |            | mm              | In.       | mm                 | In.  | N                  | Lb.   |
| 78036               | 18 AWG    | 0.80       | 1.30-1.40       | .051-.055 | 2.00               | .079 | 107.87             | 24.25 |
|                     | 20 AWG    | 0.50       | 1.15-1.22       | .045-.048 | 2.00               | .079 | 58.84              | 13.23 |
|                     | 22 AWG    | 0.35       | 1.07-1.15       | .042-.045 | 2.00               | .079 | 39.23              | 8.82  |
| 78037               | 18 AWG    | 0.80       | 1.30-1.40       | .051-.055 | 2.00               | .079 | 107.87             | 24.25 |
|                     | 20 AWG    | 0.50       | 1.15-1.22       | .045-.048 | 2.00               | .079 | 58.84              | 13.23 |
|                     | 22 AWG    | 0.35       | 1.07-1.15       | .042-.045 | 2.00               | .079 | 39.23              | 8.82  |

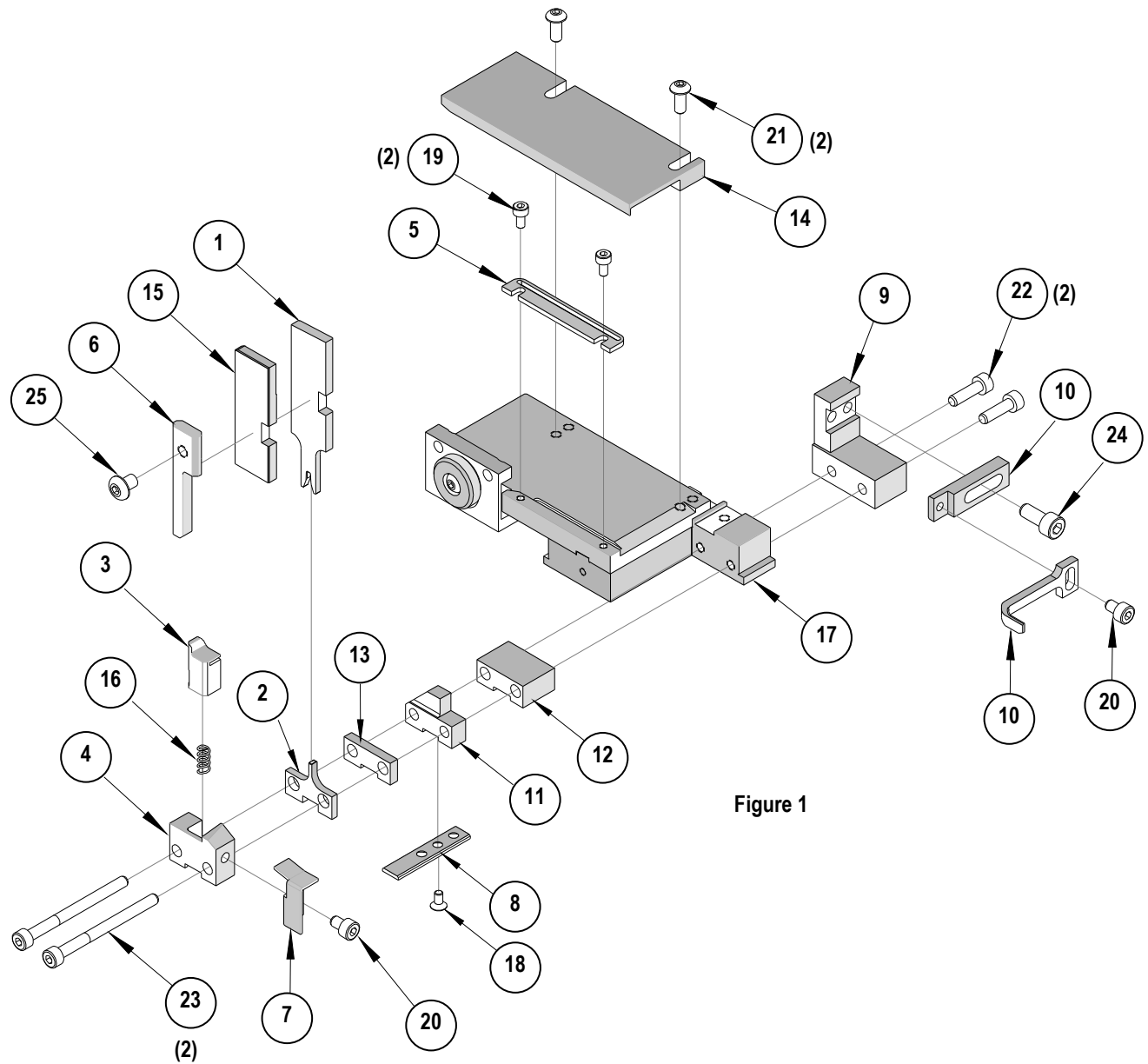
Tool Qualification Notes:

1. The above specifications are guidelines to an optimum crimp.

**PARTS LIST**

| <b>T2 Terminator 63911-4100</b>                                              |                 |                        |                          |                 |
|------------------------------------------------------------------------------|-----------------|------------------------|--------------------------|-----------------|
| <b>Item</b>                                                                  | <b>Order No</b> | <b>Engineering No.</b> | <b>Description</b>       | <b>Quantity</b> |
| <b>Perishable Tooling</b>                                                    |                 |                        |                          |                 |
|                                                                              | 63911-4170      | 63911-4170             | Tool Kit (All "Y" Items) | REF             |
| 1                                                                            | 63444-2017      | 63444-2017             | Conductor Punch          | 1 Y             |
| 2                                                                            | 63455-0084      | 63455-0084             | Conductor Anvil          | 1 Y             |
| 3                                                                            | 63443-0035      | 63443-0035             | Front Cut-Off Plunger    | 1 Y             |
| 4                                                                            | 63443-0036      | 63443-0036             | Front Plunger Retainer   | 1 Y             |
| <b>Other Components</b>                                                      |                 |                        |                          |                 |
| 5                                                                            | 11-18-4083      | 60707-8                | Feed Guide               | 1               |
| 6                                                                            | 63443-3160      | 63443-3160             | Front Plunger Striker    | 1               |
| 7                                                                            | 63443-0009      | 63443-0009             | Front Scrap Chute        | 1               |
| 8                                                                            | 63443-0024      | 63443-0024             | Key                      | 1               |
| 9                                                                            | 63443-0085      | 63443-0085             | Wire Stop L-Bracket      | 1               |
| 10                                                                           | 63443-0090      | 63443-0090             | Wire Stop                | 1               |
| 11                                                                           | 63443-1718      | 63443-1718             | 18.80mm Height Spacer    | 1               |
| 12                                                                           | 63443-2215      | 63443-2215             | 15.00mm Coarse Spacer    | 2               |
| 13                                                                           | 63443-2314      | 63443-2314             | 3.70mm Fine Spacer       | 1               |
| 14                                                                           | 63443-6004      | 63443-6004             | Rear Cover               | 1               |
| 15                                                                           | 63454-0101      | 63454-0101             | Punch Spacer             | 1               |
| 16                                                                           | 63700-0539      | 63700-0539             | Cut-Off Plunger Spring   | 1               |
| <b>Frame</b>                                                                 |                 |                        |                          |                 |
| 17                                                                           | 63800-8500      | 63800-8500             | T2 Terminator            | 1               |
| <b>Hardware</b>                                                              |                 |                        |                          |                 |
| 18                                                                           | N/A             | N/A                    | M3 by 6 Long FHCS        | 1**             |
| 19                                                                           | N/A             | N/A                    | M3 by 6 Long SHCS        | 2**             |
| 20                                                                           | N/A             | N/A                    | M4 by 6 Long SHCS        | 2**             |
| 21                                                                           | N/A             | N/A                    | M4 by 12 Long BHCS       | 2**             |
| 22                                                                           | N/A             | N/A                    | M4 by 14 Long SHCS       | 2**             |
| 23                                                                           | N/A             | N/A                    | M4 by 45 Long SHCS       | 2**             |
| 24                                                                           | N/A             | N/A                    | M5 by 12 Long SHCS       | 1**             |
| 25                                                                           | N/A             | N/A                    | #10-32 by 3/8" Long BHCS | 1**             |
| ** Available from an industrial supply company such as MSC (1-800-645-7270). |                 |                        |                          |                 |

# Assembly Drawing



## NOTES

1. Molex recommends an extra perishable tooling kit be maintained at your facility.
2. Verify tooling alignment by manually cycling the press before crimping under power. Check that all screws are tight.
3. Slugs, Terminals, Dirt and Oil should be kept clear of work area.
4. This Terminator should be only used in a Molex TM42, TM40, or 3BF Press with a Base Unit adaptor.
5. Wear safety glasses at all times.
6. For recommended maintenance refer to the TM40, TM42 Manual.

**CAUTION:** To prevent injury never operate this Terminator without the guards supplied with the press in place. Reference the TM42 press manufacturer's instruction manual.

**CAUTION:** Molex crimp specifications are valid only when used with Molex terminals, applicators and tooling.

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