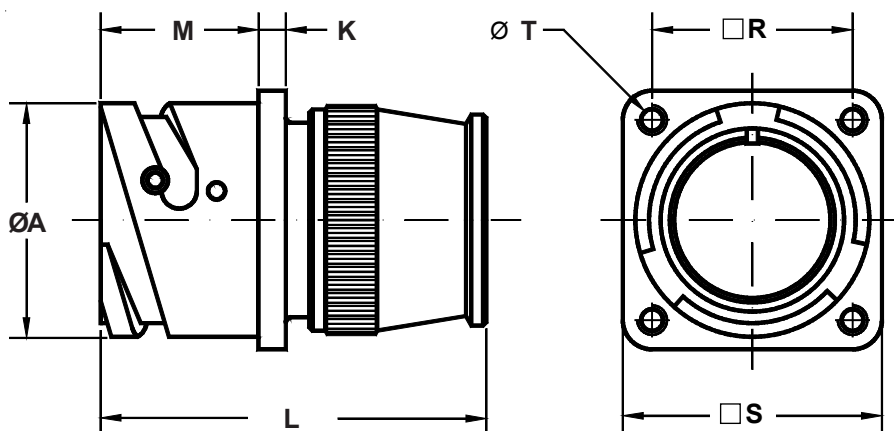


# ITS 31030 (RS) and ITS 41030 (RS) Rear Panel Mount Square Flange Receptacle Assembly with Lipped Backshell

**ITS 31 030 RS FP 20-27 P Y XXX**

- Reverse Bayonet Coupling
- Contact Type
  - 31 - Solder
  - 41 - Crimp
- 030 - Rear Wall Mount
- Connector Backshell Class
  - RS - Environmental; Supplied with Grommet and Lipped Backshell
- Mounting Holes
  - FP - Non-Threaded Through Mounting Holes
  - OMIT - For Standard (Threaded) Mounting Holes
- Mod Code Option (See Table II)
- Alternate Insert Rotation (W, X, Y, Z)  
Omit for Normal (See Section A)
- Contact Gender
  - P - Pin
  - S - Socket
- Shell Size and Insert Arrangement (See Section A)



## Application Notes:

1. Rear panel mount square flange receptacle with a wire sealing grommet and backshell for use with individual wire assemblies. Threaded mounting holes. Optional non-threaded mounting holes available.
2. Connector/backshell Class "RS" (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. A broad range of additional connector accessories are available. See our website and/or contact the factory for complete information.
6. Standard insert material is synthetic rubber. Add "FR" prefix to front of part number to specify fire resistant inserts.

**ITS 31030 (RS) and ITS 41030 (RS)**  
**Rear Panel Mount Square Flange Receptacle Assembly**  
**with Lipped Backshell**



Series ITS

**TABLE I: DIMENSIONS**

| Shell Size   | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T Thread |
|--------------|------------------|-----------|-----------|-----------------|-----------|-----------|----------|
| <b>10 SL</b> | 18.2             | 2.8       | 43.0      | 18.5            | 18.25     | 25.4      | M4       |
| <b>14 S</b>  | 24.5             | 3.3       | 52.5      | 18.5            | 23.00     | 30.4      | M4       |
| <b>16 S</b>  | 27.2             | 3.3       | 50.5      | 18.5            | 24.60     | 32.5      | M4       |
| <b>16</b>    | 27.2             | 3.3       | 60.5      | 23.2            | 24.60     | 32.5      | M4       |
| <b>18</b>    | 30.7             | 4.0       | 60.5      | 23.2            | 27.00     | 35.0      | M4       |
| <b>20</b>    | 34.0             | 4.0       | 60.5      | 23.2            | 29.40     | 38.0      | M4       |
| <b>22</b>    | 37.3             | 4.0       | 60.5      | 23.2            | 31.75     | 41.0      | M4       |
| <b>24</b>    | 40.9             | 4.0       | 63.5      | 23.2            | 34.90     | 44.5      | M4       |
| <b>28</b>    | 46.7             | 4.0       | 63.5      | 24.4            | 39.70     | 50.9      | M5       |
| <b>32</b>    | 53.4             | 4.0       | 63.5      | 24.2            | 44.45     | 57.0      | M5       |
| <b>36</b>    | 59.6             | 4.0       | 63.5      | 24.2            | 49.20     | 63.5      | M5       |
| <b>40</b>    | 65.5             | 4.0       | 63.5      | 24.4            | 55.55     | 69.9      | M5       |

**B**

**TABLE II: MODIFICATION CODES**

| CONTACT OPTIONS                                          |                                     |
|----------------------------------------------------------|-------------------------------------|
| Sym                                                      | Description                         |
| B0                                                       | Connector Less Contacts             |
| B1                                                       | Connector with Gold Plated Contacts |
| Omit for standard version (Silver plated)                |                                     |
| FINISH OPTIONS                                           |                                     |
| Sym                                                      | Description and RoHS compliant (*)  |
| F2                                                       | Bright Nickel Plating (*)           |
| F6                                                       | Black Electrodeposited Paint (*)    |
| F7                                                       | Black Zn-Co Plating (*)             |
| F8                                                       | Olive Drab Zn-Co Plating            |
| F11                                                      | Electroless Nickel (*)              |
| Omit for standard version<br>(Cadmium Olive Drab Finish) |                                     |