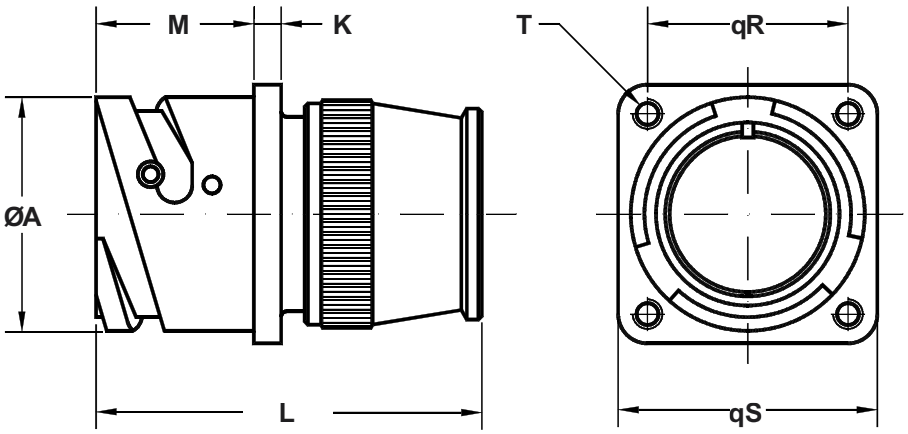
ITS 31030 (RS) and ITS 41030 (RS)
Rear Panel Mount Square Flange Receptacle Assembly with Lipped Backshell

ITS 31 030 RS FK 20-27 P Y XXX

- ITS — Bayonet Coupling
- 31 — Contact Type
  - 31 - Solder
  - 41 - Crimp
- 030 - Rear Wall Mount
- RS — Connector Backshell Class
  - RS - Environmental; Supplied with Grommet and Lipped Backshell
- FK — Material Option (Omit for Aluminum)
  - FK - Stainless Steel Passivate
  - MB - Marine Bronze
- 20-27 — Shell Size and Insert Arrangement (See Intro 6-25)
- P — Contact Gender
  - P - Pin
  - S - Socket
- Y — Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Intro 20-21)
- XXX — Mod Code Option (See Table II)



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.
2. Connector/backshell Class “RS” (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy with cadmium olive drab finish.
4. Standard contact material consists of copper alloy with silver plating (Gold plating available, see mod codes).
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.

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TABLE I: DIMENSIONS

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

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**
F2	Bright Nickel Plating
F6	Black Electrodeposited Paint
F7	Black Zn-Co Plating
F8	Olive Drab Zn-Co Plating
	Omit for Standard Version (Cad/Olive Drab Finish)

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