



# RUSSTECH

ENGINEERING

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## D-Sub Composite Backshell - 90° D-SUB COMPOSITE EMI BACKSHELL KIT

Introducing the Lightest, Strongest, EMI Certified D-Sub Composite Backshell System ever developed for the Aerospace and Inflight Entertainment market. After decades of building the most innovative connector tooling products in the world, we now offer our first connector accessory and its a beauty! Lightweight yet incredibly strong with a durable nickel finish.



### Features

- **COMPOSITE CONSTRUCTION** - Strong, Lightweight, and Robust design.
- **EMI SEALED** - Nickel plating for superior EMI/RFI protection.
- **SUPERIOR STRAIN RELIEF** - Push, pull and rotational strain relief.
- **OPTIMIZED GEOMETRY** - Optimized backshell geometry for ease of connector termination.
- **ACCOMODATING** - Accommodates a large range of cable sizes.
- **GIGABIT CERTIFIED** per DO-160.

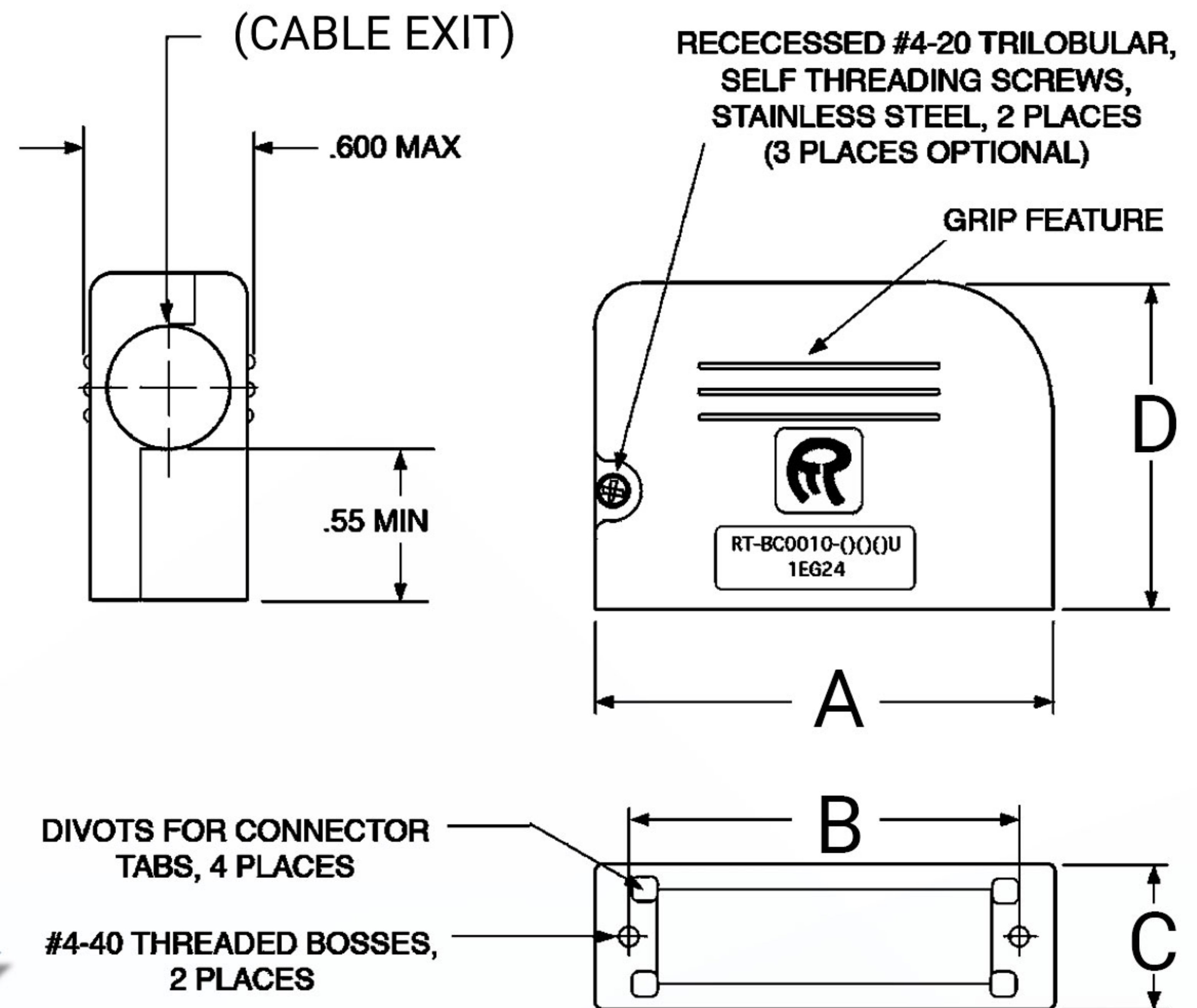


**INFLITE**  
COMPOSITE EMI BACKSHELL SYSTEM





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## TECHNICAL SPECS

RT-BC0010-###U 90° D-SUBMINIATURE COMPOSITE EMI BACKSHELL KIT

Dash No.	Cable Exit (MM) Reference Only	Cable O.D. Size (Inch)	Connector Size	Backshell Weight (lbs) ±.010 Ref. Only	A Max Inches	B ± .005 Inches	C ± .020 Inches	D ± .020 Inches
-091U	9	.15 - .35	1	.024	1.240	.984	.540	1.080
-092U	9	.15 - .35	2	.028	1.560	1.312	.540	1.110
-093U	9	.18 - .37	3	.038	2.110	1.852	.540	1.200
-123U	12	.20 - .49	3	.038	2.110	1.852	.540	1.200

### NOTES:

- EACH BACKSHELL ASSEMBLY CONTAINS 2 SHELL HALVES AND HARDWARE ITEMS SHOWN.
- BACKSHELLS ARE SUITABLE FOR "D" SUB TYPE CONNECTORS IN SHELL SIZES 1, 2 & 3.

### MATERIALS:

- SHELL HALVES- MOLDED COMPOSITE COMPOUND
- FINISH-DOUBLE SIDED ELECTROLESS NICKEL PLATING
- INCLUDED HARDWARE- TRILOBULAR SELF-THREADING SCREWS, STAINLESS STEEL
- ALL MATERIALS RoHS COMPLIANT.

### TABULATION NOTES:

Refer To Dimension References A Through D.  
U = Denotes part is of Composite Construction.

### ASSEMBLY INSTRUCTION:

1. TERMINATE WIRES TO CONNECTOR AND PREPARE CABLE SHEILD AS REQUIRED.
2. HOLD BACKSHELL HALVES TOGETHER MAKING SURE THE SHEILDING ENGAGES THE INTERNAL CABLE ENTRY EMI RIDGES, AND INSTALL BOTH SELF THREADING SCREWS. TAKE CARE TO NOT OVER TORQUE.

### RUSSTECH PART NUMBER EXPLANATION

