



**Procedure: B6113415**

## **APC-3.5 Connector Pin Replacement**

### **General Information**

The APC 3.5 mm Connector is designed to provide optimum RF performance. Close tolerances are required to achieve optimum performance. We recommend that the following procedure be used for replace the RF Pin in order to insure satisfactory results.

### **Tools Required**

ICM Tool Kit, p/n A3113414A

MS240 Quick Freeze (supplied in convenient spray cans)

Note: This material is manufactured by:

Miller Stephenson Chemical Co.  
12261 Foothill Blvd.  
Sylmar, CA 91342  
PH: 213-896-4714

This material is available in USA, Canada, and in many foreign countries.

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### **Removal of center conductor and dielectric assembly from connector body**

- A) Method 1: Spray Quick Freeze directly on dielectric from rear of connector and immediately pull the center conductor assembly out of the connector body.
- B) Method 2: Insert pusher tool supplied in ICM Tool Kit, through front of connector and push gently to remove center conductor assembly.

### **Removal of replaceable RF pin from center conductor assembly**

- A) Using the pin vise #1 and pin vise #2 supplied in the ICM Tool Kit, unscrew the rear pin from the contact pin.

**B) Do not remove the dielectric from the contact. It is epoxied in place.**

NOTE: Suitable pin vises that will not mar the center may also be used.

### **Replacement of RF pin and re-assembly of connector**

- A) Screw the new RF pin to the contact/dielectric assembly using suitable pin vises. Tighten securely.
- B) To re-insert the dielectric into the body
  - a. Method 1: Spray Quick Freeze on the dielectric and immediately insert into the connector body.
  - b. Method 2: Install the pusher tool into the front of the connector (NOTE: when inserting the contact/dielectric assembly, the pusher tool will provide concentric alignment between the center conductor and the outer conductor) and push the contact/dielectric assembly into the connector body.

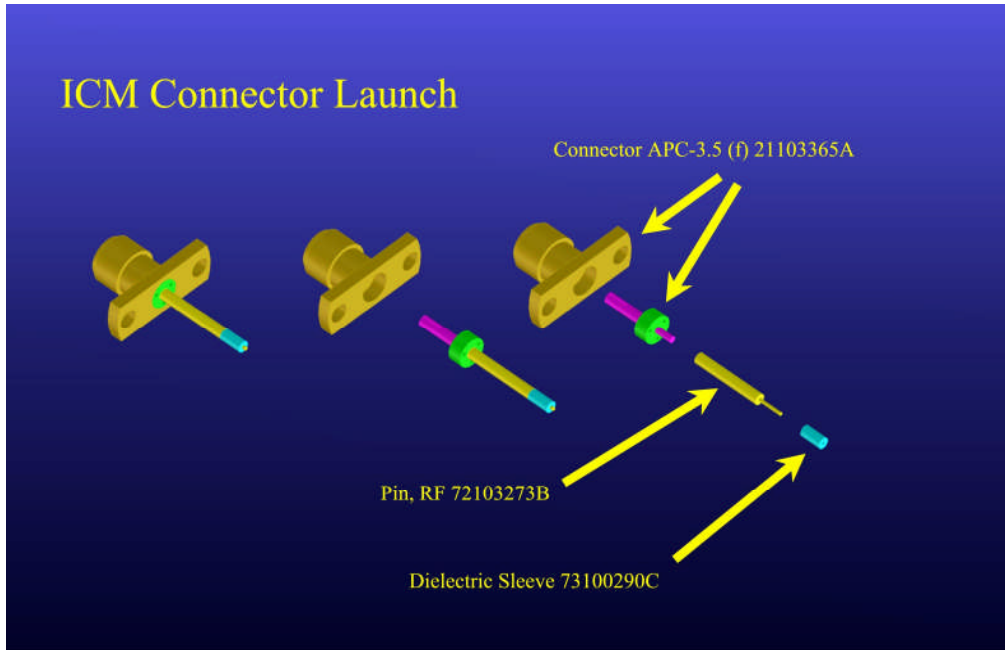
### **Additional information**

The following useful drawings have been attached:

APC 3.5 mm Connector Assembly drawing# B6121012

See our website at [www.icmicrowave.com](http://www.icmicrowave.com) for more details

## ICM Connector Launch



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