SECTION A - A

DIMENSIONS IN MILLIMETERS UNLESS STATED

ITEM NO. | DRAWING NO. | DESCRIPTION | QUANTITY
--- | --- | --- | ---
1 | CFPD12 | SHIELD | 1
2 | CFPD06 | MODULE | 1
3 | CFPD03 | WASHER FOR FOIL | 4
4 | CFPD04 | INSULATOR FOR DETECTOR | 4
5 | CFPD05 | BASE | 4
6 | CFPD08 | CONNECTOR PIECE 1 | 1
7 | CFPD09 | CONNECTOR PIECE 2 (TOP PORTION) | 1
8 | M11501213 | CONNECTOR PIECE 2 (BOTTOM PORTION DESIGNED BY MAST) | 1
9 | MCMaster-Carr | PN92290A330 | SCREW TO SECURE CONNECTOR PIECE 1 TO MODULE | 4
10 | CFPD11 | BRACKETS TO SECURE SCREW IN SHIELD | 4
11 | MCMaster-Carr | PN92290A334 | SCREW TO SECURE SHIELD | 4
12 | MCMaster-Carr | PN92290A118 | SCREW TO SECURE BASE TO MODULE | 8
General Notes
1. FOUR OF THESE PIECES NEEDED.
2. WASHER MADE TO FIT INSIDE MODULE.
General Notes
1. FOUR OF THESE PIECES NEEDED.
2. INSULATION SLEEVE MADE TO FIT INSIDE MODULE.

Dimensions:
- Ø 20.8
- Ø 17.41
- 12.3
- 1.45

Remove all burrs and sharp edges.

Material: PEEK 1000

Charged Fusion Product Diagnostic Detector Insulator

Dimensions in Millimeters Unless Stated

Drawing
- RAMONA V. PEREZ

Dated: 09/09/2012

Scale: 3:1

Ve kterým Edukational Vector Version
General Notes
1. BORE THROUGH FOR M3 SOCKET HEAD CAP SCREW.
2. BORE THROUGH FOR M3 SOCKET HEAD CAP SCREW. DIAMETER LARGER THAN 3MM TO ACCOUNT FOR DIFFERENCE IN SPACING FOR ATTACHMENT TO MODULE (SEE DRG NO. CFPD07 SHEET 02).
3. FOUR OF THESE PIECES NEEDED.
4. BASE IS MADE TO FIT TO BOTTOM OF MODULE; ALL BORED HOLES MUST ALIGN WITH BOTTOM OF MODULE.

Charged Fusion Product Diagnostic
Base for Module
316 Stainless Steel

RAMONA V. PEREZ
RAMONA V. PEREZ

FIU
VECTORWORKS EDUCATIONAL VERSION
General Notes
1. TAP THRU FOR M6 SOCKET HEAD CAP SCREW.
2. TAP THRU FOR M3 SOCKET HEAD CAP SCREW.
3. MODULE MADE TO BE ASSEMBLED WITH SHIELD AND CONNECTOR; CORRESPONDING HOLES SHOULD ALIGN.

Remove all burrs and sharp edges after machining.
Dimensions in millimeters unless stated otherwise.
General Notes

1. TAP TO CORRESPONDING DEPTHS (SECTION B-B AND SECTION C-C) FOR M3 SOCKET HEAD CAP SCREW.

2. MODULE MADE TO BE ASSEMBLED WITH SHIELD AND CONNECTOR; CORRESPONDING HOLES SHOULD ALIGN.
CONNECTOR PIECE 1

CONNECTOR PIECE 2 (TOP)

CONNECTOR PIECE 2 (BOTTOM)
General Notes
1. BORE THRU FOR M6 SOCKET HEAD CAP SCREW.
2. BORE 6MM SO THAT M6 SOCKET HEAD CAP SCREW HEAD IS FLUSH WITH CONNECTOR PIECE 1 SURFACE (SEE SECTION A-A).
3. CONNECTOR PIECE 1 TO BE WELDED ONTO CONNECTOR PIECE 2.
4. TWO OF THESE PIECES NEEDED.
General Notes
1. TAP THRU FOR M6 SOCKET HEAD CAP SCREW.
2. CONNECTOR PIECE 2 IS A SOLID PIECE. THERE ARE TWO DRAWINGS.
REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN MILLIMETERS UNLESS STATED.

SCALE 1:1
General Notes
1. BORE THRU FOR M6 SOCKET HEAD CAP SCREW.
2. BRACKET MADE TO FIT INSIDE SHIELD TO SECURE M6 ATTACHMENT SCREWS.
3. 4 OF THESE PIECES NEEDED.

SECTION A - A
General Notes
1. BORE THRU FOUR 5MM HOLES AT INDICATED ANGLES.
2. BORE THRU FOR M6 SOCKET HEAD CAP SCREW.
3. SHIELD IS MADE TO FIT OVER MODULE AND CONNECTION PIECE; HOLES MUST ALIGN.
4. SHIELD WILL BE MADE BY SAINT GOBAIN CERAMICS.