

Tray Worksheet

ARINC 404A Design Parameters



TRAY CUSTOMIZATION INSTRUCTIONS

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[Email Form](#)

- 1) Fill out as many questions as possible on the following form.
- 2) Scan and email us at sales@CarlisleIT.com; or print and fax to 414.421.5301. Call CarlisleIT Customer Service with any questions 800.327.9473 (USA) or 414.421.5300 (INTL).
- 3) See separate form for ARINC 600.

| | | |
|---------------|--------------|------------------------|
| Contact Name: | Order Date: | Purchase Order Number: |
| Company: | Date Needed: | Quantity: |
| Telephone: | Fax: | Email: |

- 1) Aircraft Type (Make and Model):

- 2) Project/Program:

- 3) LRU System Type:

- 4) LRU OEM:

- 5) LRU Model Number:

- 6) LRU Part Number:

- 7) LRU Width:
 ¼ ATR ½ ATR 1 ATR
 ¾ ATR Other: _____
- 8) Tray Length:
 14.92 S/S 20.06 S/L Other: _____
- 9) Hold Down Types:
 Front Insertion/Extraction
 Front Thumbscrew
 Rear Pin(s) (LRU Details Required)
 Front Pin(s) (LRU Details Required)
 Other: _____
- 10) Tray Mounting:
 No Mounting Holes (Customer will Drill)
 Pre-Drilled Mounting Holes
 No. 10 No. 8 Other
 Custom Mounting Provisions
 (Riser Rails, Shock Isolation, etc.)
- 11) Tray Bottom:
 Flat (No Cutout) Metering Plate and Seal
 Flat with Cutout

- 12) ARINC 404 Connector Cutout:
 DPXB DPX2 DPX3 Other: _____
- 13) Tray Finish:
 Clear Chem Film Other: _____
- 14) Tray Mounting Environment:
 Pressurized Compartment
 Nonpressurized Compartment
- 15) Cooling Requirements:
 a) Type of Cooling Method Used:
 Convection Only
 Aircraft Supplied Airflow
 Fan and Plenum on Tray
 Fan and Plenum on Tray only:
 b) What is the maximum heat dissipation (Watts)?

 c) What is the pressure drop across the LRU?
 Less than 25 mm H₂O at 220 kg/kwh per ARINC 404A
 Other: _____
 d) Maximum Ambient Air Temperature?

 e) For nonpressurized applications:
 What is the ambient temperature at altitude? _____
 What is the maximum altitude for aircraft? _____
 f) What kind of power is available for the fan?
 115V 400Hz Single Phase 28VDC
 Other: _____
- 16) Air Filtration Required:
 Yes No
- 17) Environmental Qualifications Required
 RTCA-DO-160 REV: _____
 MIL-STD-810 REV: _____
 Other: _____



Tray Worksheet

STANDARD PART NUMBER GUIDE FOR ARINC 404A TRAYS

Fill in part number below*

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|

Cooling Fan

0 No fan

Connector Cutout

1 DPXB

2 DPX2

3 DPX3

4 No connector cutout (Rear Mounting Pins only)

Tray Finish

C Clear Chemical Film (MIL-DTL-5541 Type II, Class 3)

Tray Bottom

1 Metering Plate

3 Flat (No cutout)

4 Flat with cutout

Tray Mounting Holes

N None

B Mounting holes for number 8 hardware

C Mounting holes for number 10 hardware

Hold Down Type

0 Advanced Thumbscrew

1 Insertion/Extraction

2 Military Style Thumbscrew

3 Insertion/Extraction and Rear Pin(s)

4 Military Style Thumbscrew and Rear Pin(s)

5 Advanced Thumbscrew and Rear Pin(s)

Tray Length

S Short/Short = 12.38 inch LRU / 14.92 inch tray

L Short/Long = 12.38 inch LRU / 20.06 inch tray

C Long/Long = 19.38 inch LRU / 20.06 inch tray

Tray Width

02 1/4 ATR

03 3/8 ATR

04 1/2 ATR

06 3/4 ATR

08 1 ATR

12 1-1/2 ATR

Product Line

- Classic Standard Tray

L Light Weight Tray

A ABS1699 Standard Tray

ARINC Tray Specification

4 ARINC 404A

*For custom options listed on the front please contact us directly.