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DWG NO

FDBA\_XX\_++

Example of order : FDBA X X X XX - XX X X - K XXXX

CONNECTOR TYPE  
Standard and Hermetic

VERSION  
5 - Standard  
6 - Stainless steel Nickel Plating  
7 - Passivated Stainless steel

SHELL TYPE  
0 Square Flange Receptacle  
4 Jam-nut Mounting Receptacle  
6 Plug  
7 Plug with RFI (RADIO FREQUENCY INTERFERENCE) fingers

VERSION  
Without index - Sealed

SHELL SIZE  
08-10-12-14-16-18-20-22-24

ARRANGEMENTS  
As per EN3646

CONTACT TYPE  
P Male Contact  
S Female Contact

INSERT CLOCKING POSITION  
N Normal  
W-X-Y-Z Others

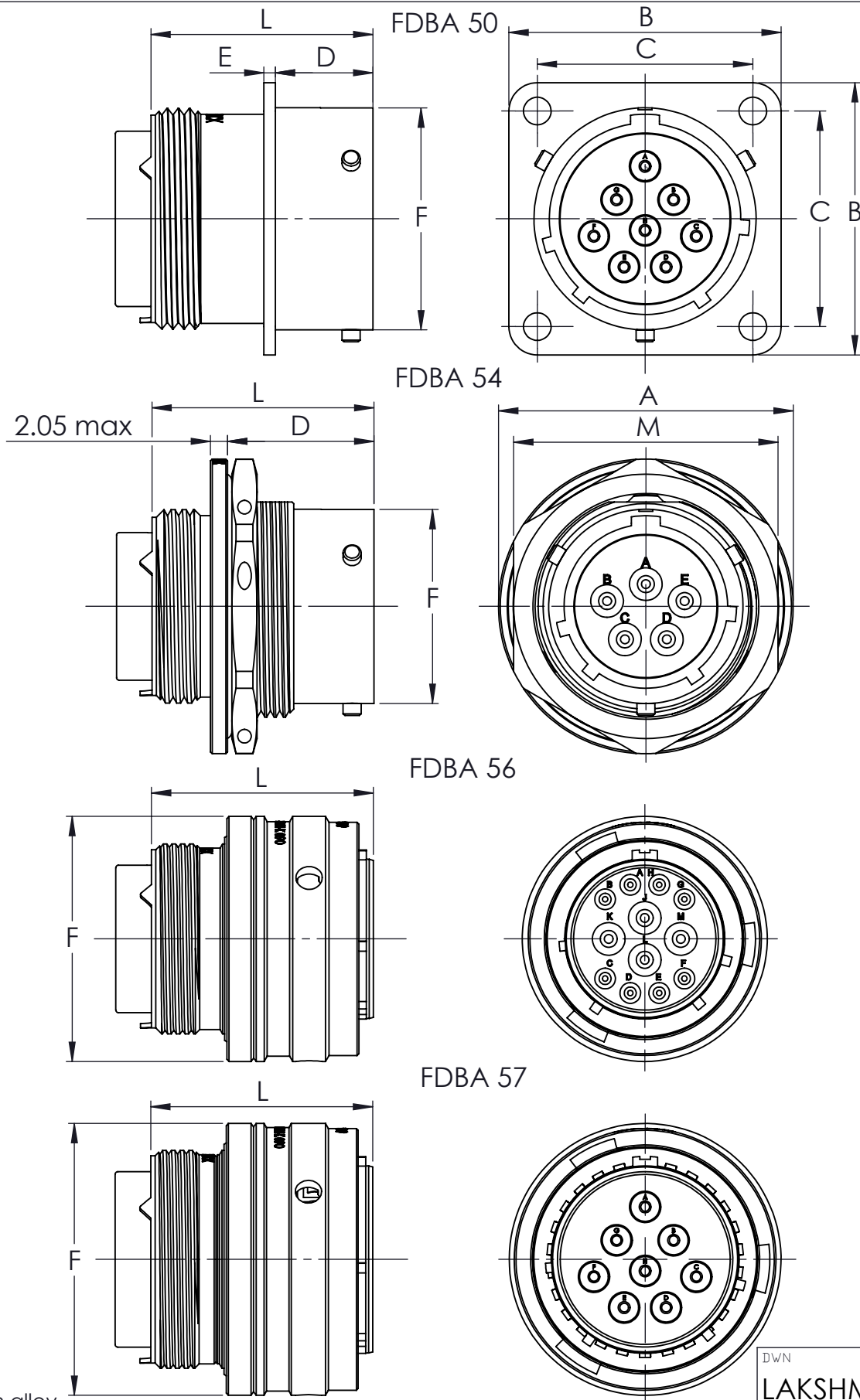
INDEX  
Connector Evolution

SPECIAL MODIFICATIONS  
059 Straight Cable Clamp  
081 Elbowed Cable Clamp  
090 Delivery without contact  
A246 Size 20 contact in accordance with ASNE  
A499 Nickel version connector  
A838 Olive drab cadmium  
B246 Hybrid arrangement size 20 & 16 in accordance with ASNE  
A377 PC tail connector

For Olive Drab Cadmium plating (A838) - Teeth over the entire periphery

#### CHARACTERISTIQUES

- Shell material : Aluminium alloy
- Insert material : Thermosetting elastomer
- Plating : Black Anodize, Nickel or Cadmium
- Service Temperature : -55°C to + 200°C
- Service Voltage : Service 1 - 500 V eff. 50 Hz  
Service 2 - 750 V eff. 50 Hz



USED ON \_

#### FDBA 50

| Size   | 08    | 10    | 12    | 14    | 16    | 18    | 20    | 22    | 24    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B max. | 21.00 | 24.25 | 26.60 | 29.00 | 31.30 | 33.70 | 36.85 | 39.95 | 43.15 |
| C±0.1  | 15.08 | 18.26 | 20.62 | 23.02 | 24.58 | 26.98 | 29.36 | 31.76 | 34.92 |
| D±0.15 | 11.13 | 11.13 | 11.13 | 11.13 | 11.13 | 11.13 | 14.85 | 14.85 | 15.70 |
| E max. | 1.45  | 1.45  | 1.45  | 1.45  | 1.45  | 1.45  | 2.25  | 2.25  | 2.25  |
| F max. | 12.03 | 15.01 | 19.07 | 22.24 | 25.42 | 28.60 | 31.77 | 34.94 | 38.12 |
| L max. | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 27.95 | 27.95 | 27.95 |

#### FDBA 54

| Size   | 08    | 10    | 12    | 14    | 16    | 18    | 20    | 22    | 24    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A max. | 23.30 | 26.60 | 30.40 | 33.80 | 37.00 | 40.15 | 45.20 | 48.35 | 51.55 |
| D±0.1  | 11.13 | 11.13 | 11.13 | 11.13 | 11.13 | 11.13 | 14.85 | 14.85 | 15.70 |
| F max. | 12.03 | 15.01 | 19.07 | 22.24 | 25.42 | 28.60 | 31.77 | 34.94 | 38.12 |
| L max. | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 27.95 | 27.95 | 27.95 |
| M max. | 19.20 | 22.37 | 27.12 | 30.30 | 33.47 | 36.67 | 39.82 | 43.02 | 46.17 |

#### FDBA 56 & 57

| Size   | 08    | 10    | 12    | 14    | 16    | 18    | 20    | 22    | 24    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| F max. | 17.75 | 21.05 | 24.60 | 28.05 | 31.10 | 34.40 | 37.65 | 40.90 | 44.10 |
| L max. | 25.55 | 25.55 | 25.55 | 25.55 | 25.55 | 25.55 | 27.10 | 27.10 | 27.10 |

Shell type 57 with RFI fingers must be ordered in accordance with part numbering system with the modification A499 (Nickel version connector)

| DIMENSIONS: MM  |       | TOLERANCES UNLESS OTHERWISE SPECIFIED: |      |
|-----------------|-------|----------------------------------------|------|
|                 | 0 PLC | ±                                      | —    |
|                 | 1 PLC | ±                                      | 0.05 |
|                 | 2 PLC | ±                                      | 0.05 |
|                 | 3 PLC | ±                                      | 0.02 |
|                 | 4 PLC | ±                                      | —    |
| ANGLES ±°       |       |                                        |      |
| SURFACE TEXTURE |       |                                        |      |

|                               |            |                                                                                                                 |  |                      |          |
|-------------------------------|------------|-----------------------------------------------------------------------------------------------------------------|--|----------------------|----------|
| DWN<br>LAKSHMI SUDHA R        |            | MATERIAL<br>—<br>—                                                                                              |  | HEAT TREAT<br>—<br>— |          |
| CHK<br>RAKESH S               |            | <div>TE Connectivity</div> |  |                      |          |
| APVD<br>VINCENT P             |            |                                                                                                                 |  |                      |          |
| NAME<br>FDBA SERIES CONNECTOR |            |                                                                                                                 |  |                      |          |
| SCALE<br>2:1                  | SIZE<br>A3 | DRAWING NO<br>FDBA_XX_++                                                                                        |  | SHEET<br>1 OF 1      | REV<br>A |

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