

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES (TE). IT MAY NOT BE DISCLOSED TO ANYONE, OTHER THAN TE PERSONNEL, WITHOUT AUTHORIZATION FROM TE (www.TE.com).

THIS DRAWING IS A CONTROLLED DOCUMENT

DWG NO

FDBA_5X_++

Example of order : FDBA 5 X X XX - XX X X - K XXXX

CONNECTOR TYPE
Standard and Hermetic

VERSION
5 - Standard

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

VERSION
H - Hermetic
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

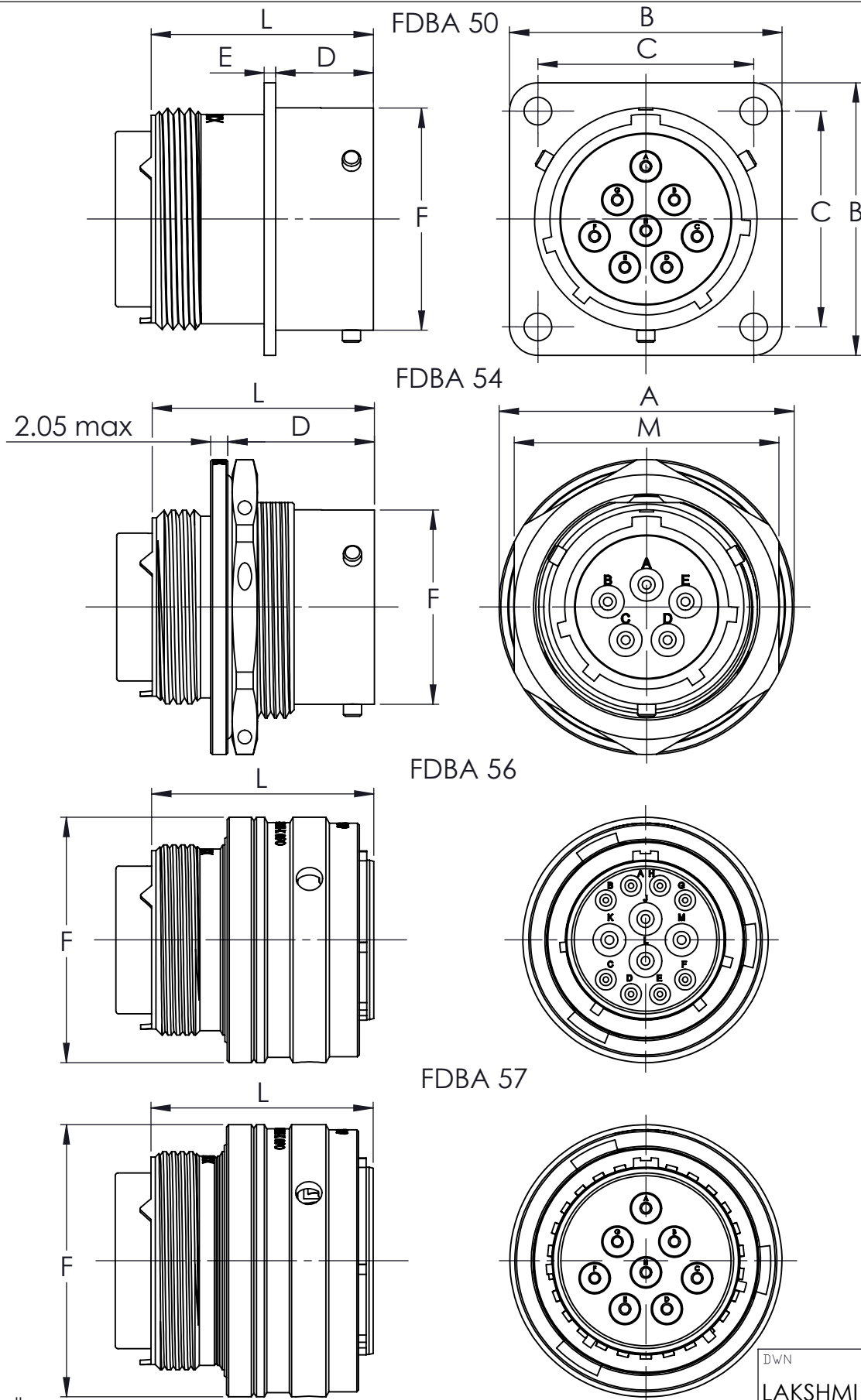
INDEX
Connector Evolution

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 : Sealed Version - Aluminium alloy
Hermetic version - Stainless Steel
- Insert material : Sealed Version - Thermosetting elastomer
Hermetic version - Sintered glass insert
- Plating : Black Anodize, Nickel or Cadmium plated Aluminium shells.
Hermetics are nickel plated steel.
- Service Temperature : -55°C to + 200°C
- Service Voltage : 500 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)

DWN		MATERIAL		HEAT TREAT	
LAKSHMI SUDHA R		—		—	
CHK		—		—	
RAKESH S		TE Connectivity			
APVD					
VINCENT P					
NAME					
FDBA 50,54,56,57 SERIES					
SCALE	SIZE	DRAWING NO		SHEET	REV
2:1	A3	FDBA_5X_++		1 OF 1	A

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 			