

ZConnect[®] Series

Anti-vibration, Blind Mate, Audible Feedback



FPC



Wire-to-Board



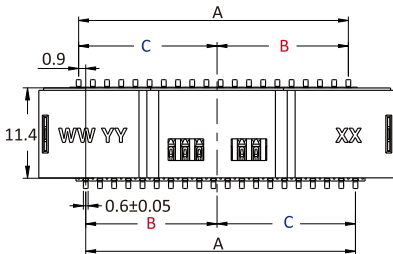
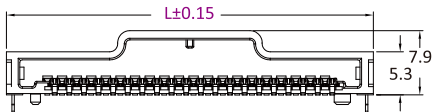
FFC

Identifications	ZConnect
Description	8 to 40 Pins Pitch = 0.9mm / 1.8mm / 2.7mm
Current Rating	1A
Voltage Rating	120 Vdc continuous
Material	Plug: high temp. thermal plastic Receptacle: high temp. thermal plastic Terminal: copper alloy
Temperature Range	-40°C ~ 110°C
Contact Resistance	40mΩ (after test) max.
Insulation Resistance	50MΩ min. at 500Vdc
Durability	10 cycles min.
Dielectric Withstand Voltage	800Vac
Insertion force	2.5Kgf max.
Removal force	0.5Kgf min.
Compulsion Withdrawal Force	50N (5.0 Kgf) min. (FPC/PCB Retention Force) 200N (20.0 Kgf) min. (Plug W/ latch Un-mating Force)
ROHS	Compliant
Automotive Standard	LV214

SMT Socket, Pitch 0.9mm



Know More



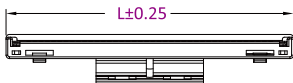
• Part Number: ZA-③ AFRS-BA0001

③ Pin	L	A	B	C
22	29.0	18.0	9.45	8.55
24	30.8	19.8	9.45	10.35
26	32.6	21.6	11.25	10.35
28	34.4	23.4	11.25	12.15
30	36.2	25.2	13.05	12.15
32	38.0	27.0	13.05	13.95
34	39.8	28.8	14.85	13.95
36 [•]	41.6	30.6	14.85	15.75
38	43.4	32.4	16.65	15.75
40 [•]	45.2	34.2	16.65	17.55

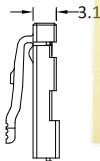
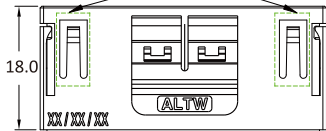
• Available Now

(Unit: mm)

Plug



This feature 32 ~ 22 Pins does not exist



Pin	L
22	25.5
24	27.3
26	29.1
28	30.9
30	32.7
32	34.5
34	36.3
36 [•]	38.1
38	39.9
40 [•]	41.7

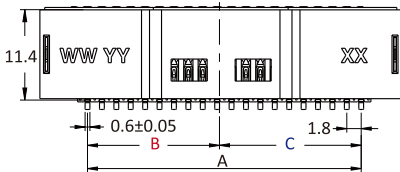
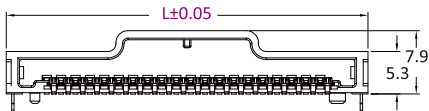
• Part Number: ZA-³NMAN-BN0001

• Available Now (Unit: mm)

SMT Socket, Pitch 1.8mm



Know More



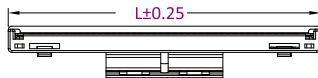
3 Pin	L	A	B	C
11	29.0	18.0	9.45	8.55
12	30.8	19.8	9.45	10.35
13	32.6	21.6	11.25	10.35
14	34.4	23.4	11.25	12.15
15	36.2	25.2	13.05	12.15
16	38.0	27.0	13.05	13.95
17	39.8	28.8	14.85	13.95
18	41.6	30.6	14.85	15.75
19	43.4	32.4	16.65	15.75
20	45.2	34.2	16.65	17.55

• Part Number: ZA-3 BFRS-BA0001

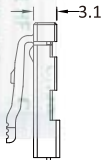
• Available Now

(Unit: mm)

Plug



3 Pin	L
11	25.5
12	27.3
13	29.1
14	30.9
15	32.7
16	34.5
17	36.3
18 [•]	38.1
19	39.9
20 [•]	41.7



This feature 16 ~ 11 Pins does not exist



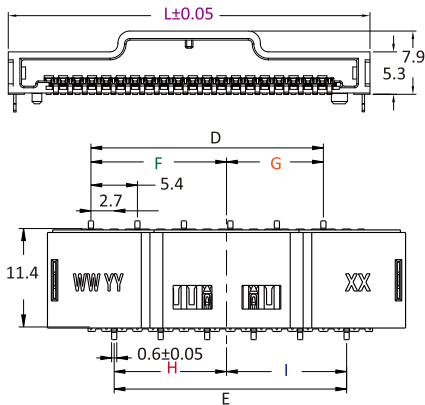
• Available Now (Unit: mm)

• Part Number: ZA-**3**NMAN-BN0001

SMT Socket, Pitch 2.7mm



Know More

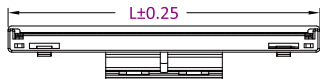


3 Pin	8	10	12 [°]
L	30.8	36.2	41.6
E	16.2	21.6	27.0
H	7.65	13.05	13.05
I	8.55	8.55	13.95
F	10.35	10.35	15.75
G	5.85	11.25	11.25
D	29.15	32.75	39.95

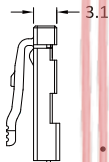
• Available Now (Unit: mm)

• Part Number: ZA-**3**CFRS-BA0001

Plug



This feature 16 ~ 11 Pins does not exist



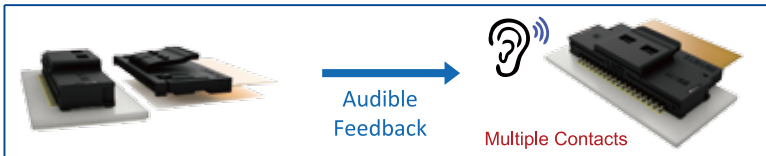
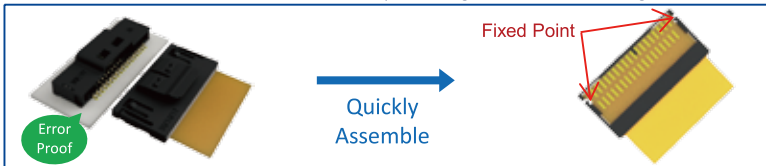
Pin	L
3	30.7
8	32.7
10	38.1
12	

• Available Now (Unit: mm)

• Part Number: ZA-3 NMAN-BN0001

Assembly Instruction

****FPC insert into PLUG with orientation error proof design and with auto locking function****



Markets / Applications



Commercial Military



Medical Equipment



Battery Management
System



Automotive



Industrial Automation



Mobile Devices



Drone



GPS



Advanced Driver
Assistance Systems



Power Distribution Control



Battery Module



Energy Storage System

Automotive Applications



Lighting

- DRL (Daytime running light)
- Turn signal indicator, parking lights
- Signature lighting, rear lights



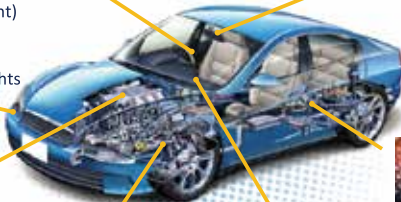
Steering Column Switch

- Wiper
- Turn signal
- Cruise control



Camera Module

- Parking sensor
- Around view monitoring
- Data video recorder



Power Train

- Transmission control unit

Sensor

- Pressure sensors
- Keyless entry sensor
- Electronic door handle



Infotainment System

- Touch screen display
- Audio/video interface
- Navigation



Battery Management System

- Battery FPC/PCB module

ZConnect[®]

Watch Video



YouTube



Youku