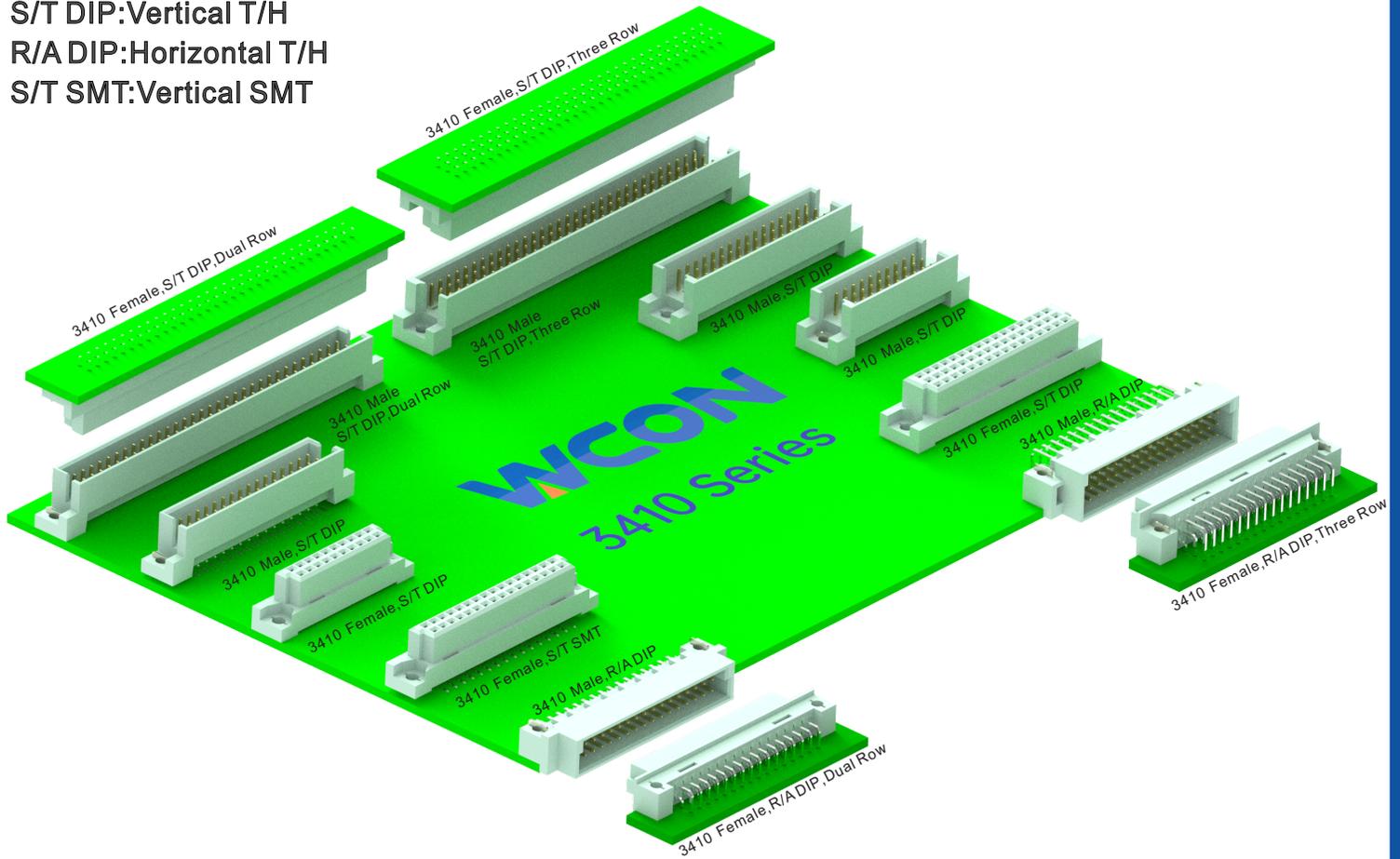


Board-Mounting  
 S/T DIP: Vertical T/H  
 R/A DIP: Horizontal T/H  
 S/T SMT: Vertical SMT

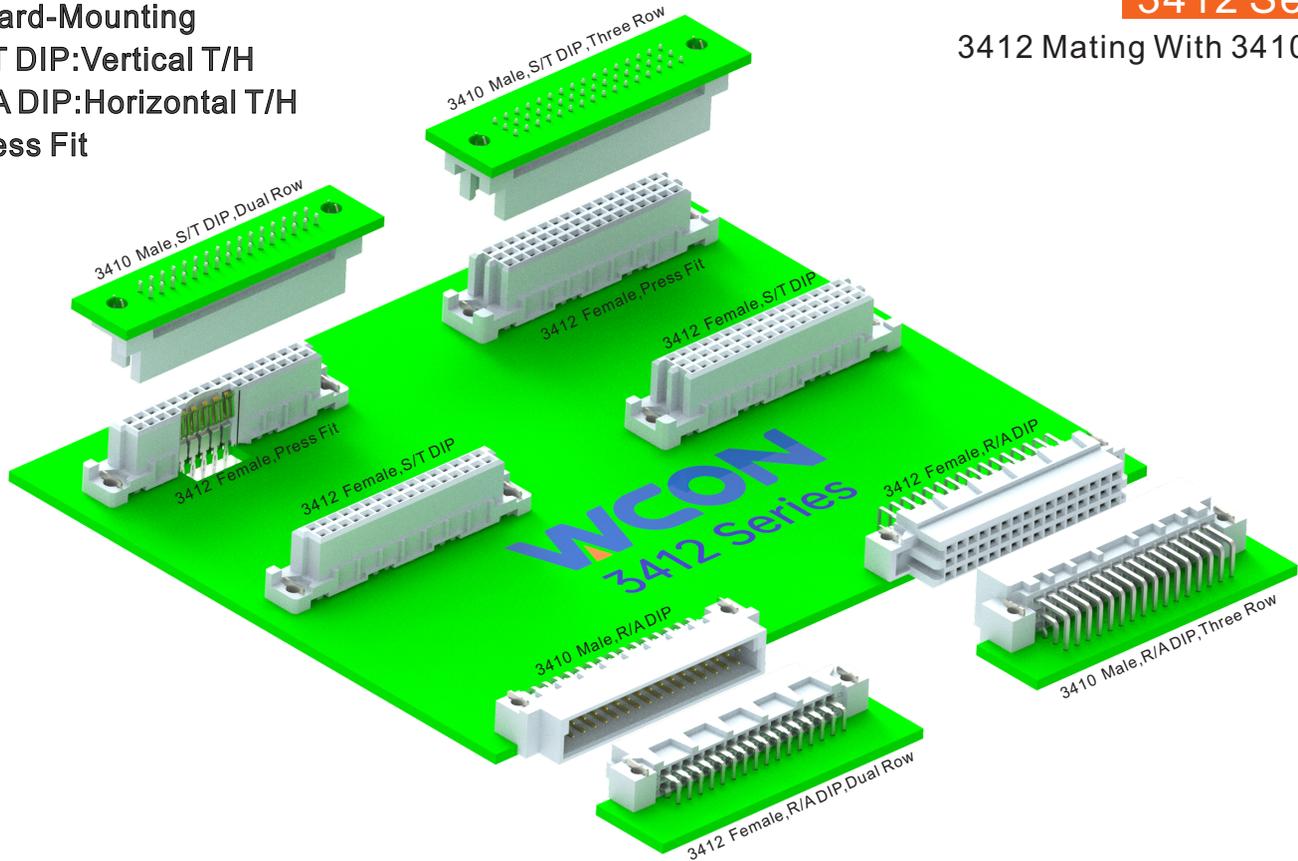
**3410 Series**



Board-Mounting  
 S/T DIP: Vertical T/H  
 R/A DIP: Horizontal T/H  
 Press Fit

**3412 Series**

3412 Mating With 3410 Series





### SPECIFICATIONS

Current Rating: 3.0AMP  
 Contact Resistance: 30mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Brass/Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PA9T+30%GF  
 Type: E



FILE NO: E248993



3410-216XFMXXNA1



3410-216XMMXXNA1

**3410 - 2 XX X F M XX X A 1**

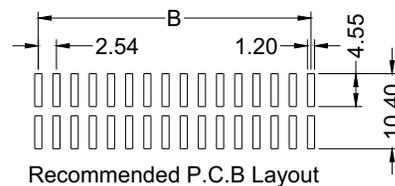
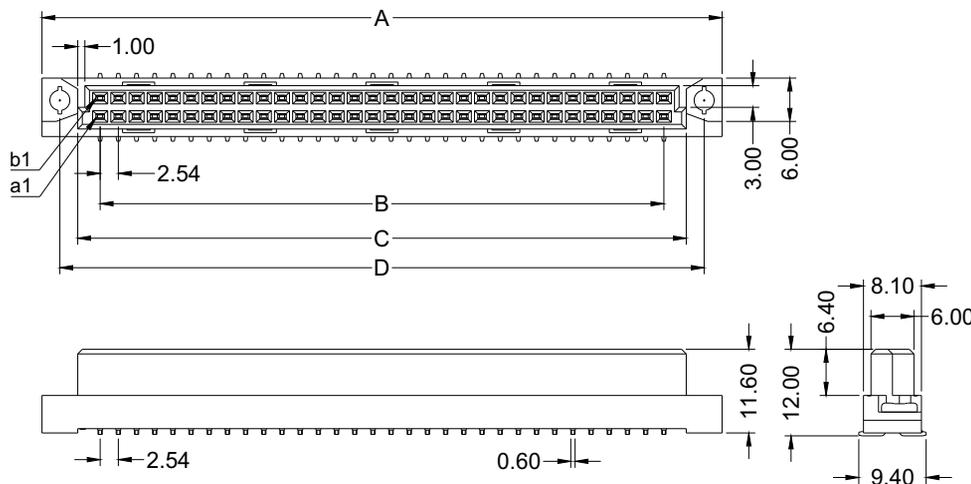
Positions Per Row  
10, 16, 32

Terminal Allot  
B=a+b  
D=a

Contact plating area  
S0: Gold Flash/Tin  
S3: 10u" Au/Tin  
S5: 30u" Au/Tin

W=W/ Latch  
N=W/O Latch

Packaging  
A=Tray



TYPE	POS.	ROWS	N	A	B	C	D
B	64	2	32	95.00	78.74	85.00	90.00
B/2	32	2	16	55.00	38.10	44.40	50.00
B/3	20	2	10	39.76	22.86	29.10	34.76

**3410 - 2 XX X M M XX X A 1**

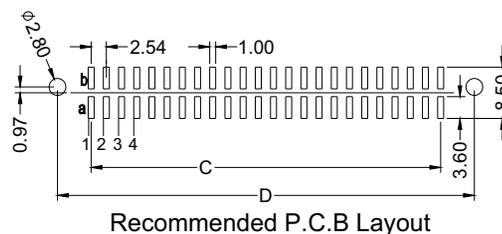
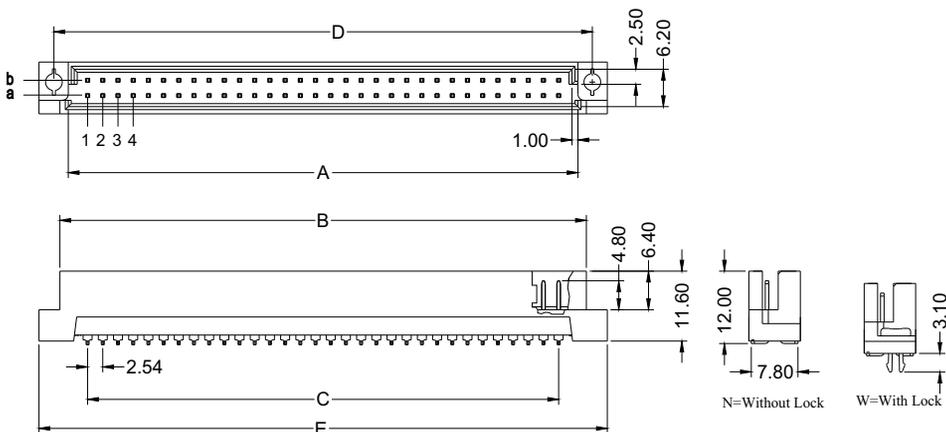
Positions Per Row  
10, 16, 32

Terminal Allot  
B=a+b  
D=a

Contact plating area  
S0: Gold Flash/Tin  
S3: 10u" Au/Tin  
S5: 30u" Au/Tin

W=W/ Latch  
N=W/O Latch

Packaging  
A=Tray



TYPE	POS.	ROWS	N	A	B	C	D	E
Q	64	2	32	85.20	88.00	78.74	90.00	95.00
Q/2	32	2	16	44.60	47.40	38.10	50.00	55.00
Q/3	20	2	10	29.30	32.10	22.86	34.76	39.76

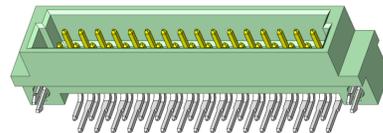
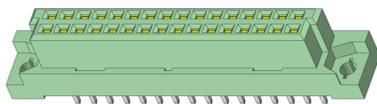
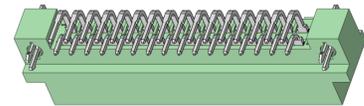


### SPECIFICATIONS

Current Rating:3.0AMP  
 Contact Resistance:30mΩ Max  
 Insulation Resistance:1000MΩ Min  
 Withstand Voltage:1000V AC/Minute  
 Operation Temperature:-55°C to +105°C  
 Contact Material:Brass/Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material:Polyester (UL94V-0)  
 Standard:PBT+30%GF  
 Type:E



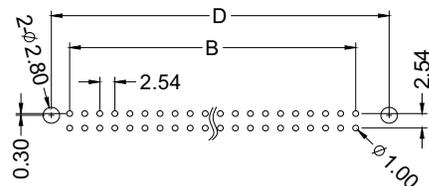
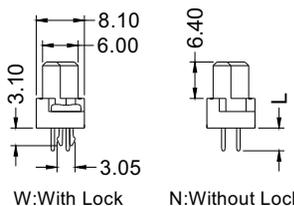
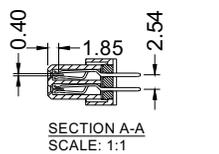
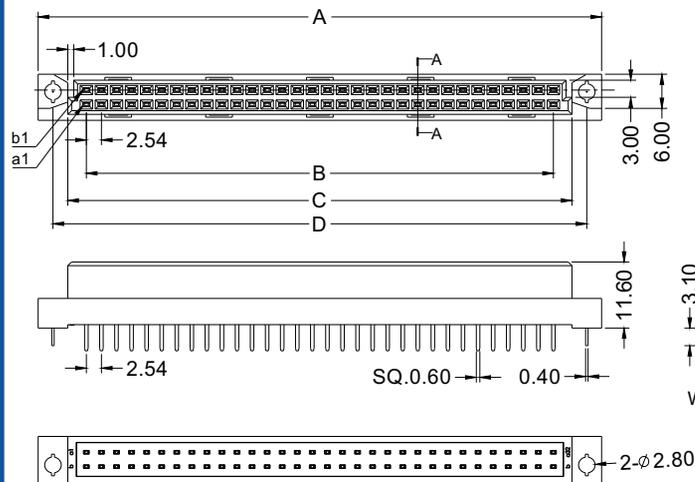
FILE NO: E248993



3410-216XFSXXNA1

3410-216XMRXXNA1

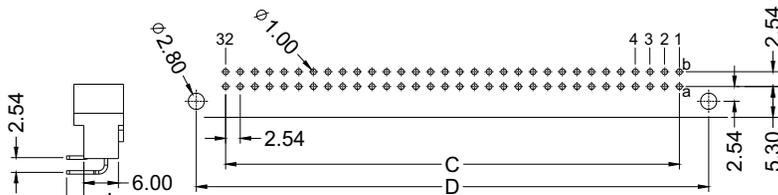
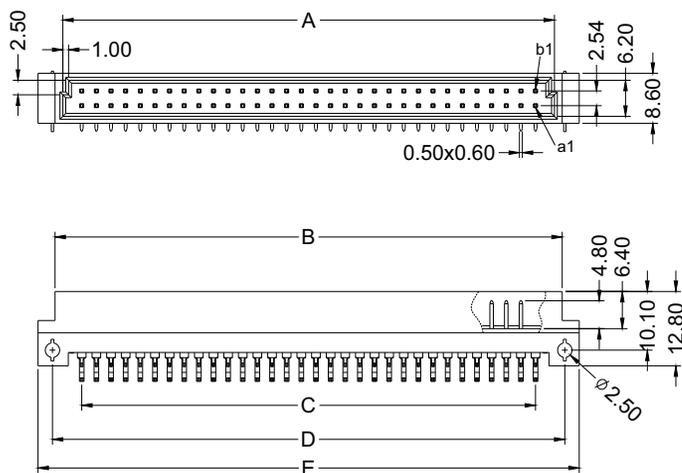
3410	-	2	<u>XX</u>	<u>X</u>	F	S	<u>XX</u>	<u>X</u>	<u>A</u>	<u>X</u>
		Positions Per Row	Terminal Allot	Contact plating area		W=W/ Latch	Packaging	DIP Length		
		10,16,32	B=a+b D=a	S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin		N=W/O Latch	A=Tray	1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57		



Recommended P.C.B Layout(Top Side)

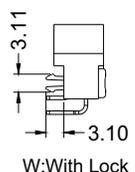
B	64	2	32	95.00	78.74	85.00	90.00
B/2	32	2	16	55.00	38.10	44.40	50.00
B/3	20	2	10	39.76	22.86	29.10	34.76
TYPE	POS.	ROWS	N	A	B	C	D

3410	-	2	<u>XX</u>	<u>X</u>	M	R	<u>XX</u>	<u>X</u>	<u>A</u>	<u>X</u>
		Positions Per Row	Terminal Allot	Contact plating area		W=W/ Latch	Packaging	DIP Length		
		10,16,32	B=a+b D=a	S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin		N=W/O Latch	A=Tray	1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57		



Recommended P.C.B Layout(Top Side)

N:Without Lock



B	64	2	32	85.20	88.00	78.74	88.90	94.00
B/2	32	2	16	44.60	47.36	38.10	48.26	53.90
B/3	20	2	10	29.30	32.10	22.86	33.02	38.10
TYPE	POS.	ROWS	N	A	B	C	D	E

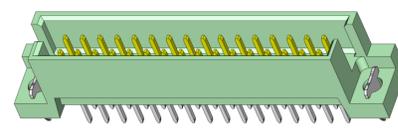
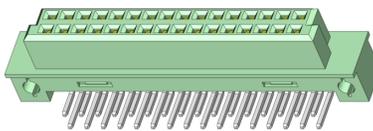
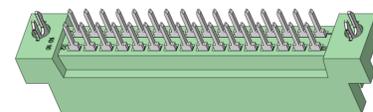
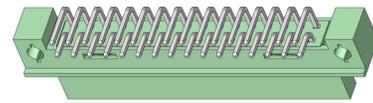


### SPECIFICATIONS

Current Rating: 3.0AMP  
 Contact Resistance: 30mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Brass/Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: E



FILE NO: E248993



3410-216XFRXXNA1

3410-216XMSXXNA1

3410 - 2 XX X F R XX X A 1

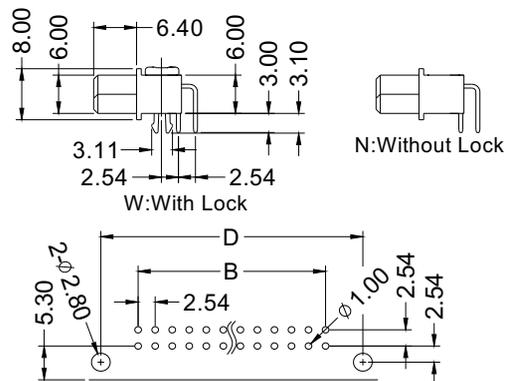
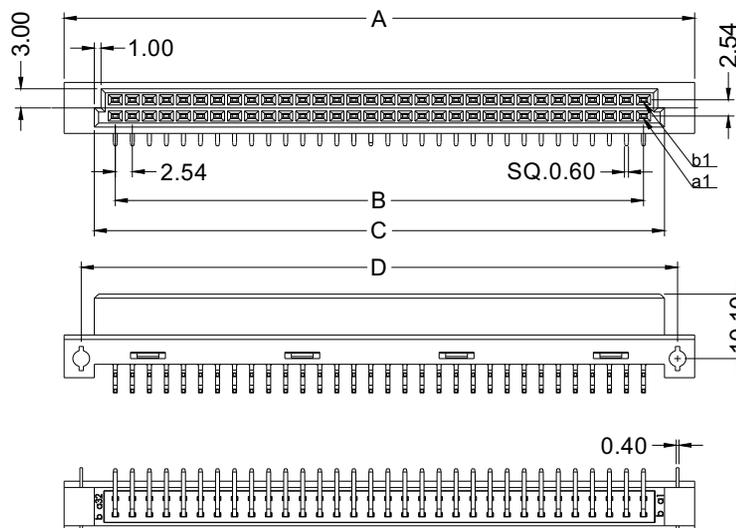
Positions Per Row  
10, 16, 32

Terminal Allot  
B=a+b  
D=a

Contact plating area  
S0: Gold Flash/Tin  
S3: 10u"Au/Tin  
S5: 30u"Au/Tin

W=W/ Latch  
N=W/O Latch

Packaging  
A=Tray



TYPE	POS.	ROWS	N	A	B	C	D
Q	64	2	32	94.00	78.74	85.00	88.90
Q/2	32	2	16	54.00	38.10	44.40	48.26
Q/3	20	2	10	38.10	22.86	29.10	33.02

3410 - 2 XX X M S XX X A X

Positions Per Row  
10, 16, 32

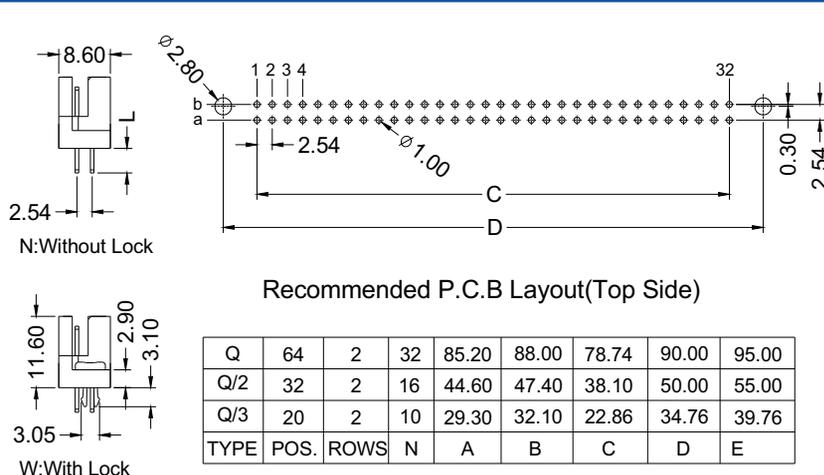
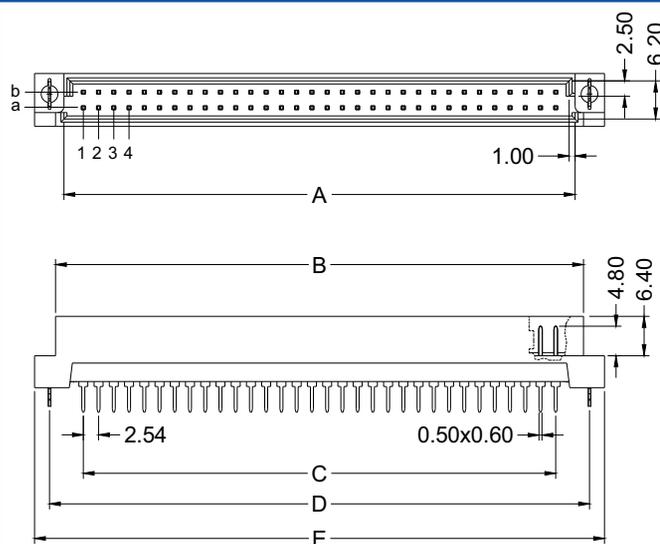
Terminal Allot  
B=a+b  
D=a

Contact plating area  
S0: Gold Flash/Tin  
S3: 10u"Au/Tin  
S5: 30u"Au/Tin

W=W/ Latch  
N=W/O Latch

Packaging  
A=Tray

DIP Length  
1: L=2.50  
2: L=3.00  
3: L=4.00  
4: L=4.57



Recommended P.C.B Layout (Top Side)

TYPE	POS.	ROWS	N	A	B	C	D	E
Q	64	2	32	85.20	88.00	78.74	90.00	95.00
Q/2	32	2	16	44.60	47.40	38.10	50.00	55.00
Q/3	20	2	10	29.30	32.10	22.86	34.76	39.76

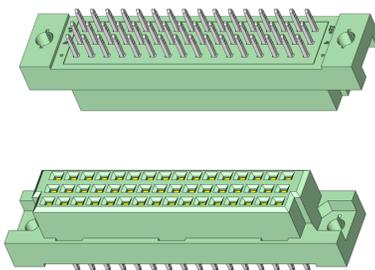


### SPECIFICATIONS

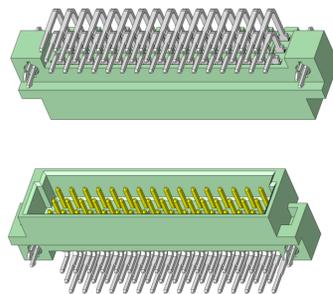
Current Rating: 3.0AMP  
 Contact Resistance: 30mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: E



FILE NO: E248993

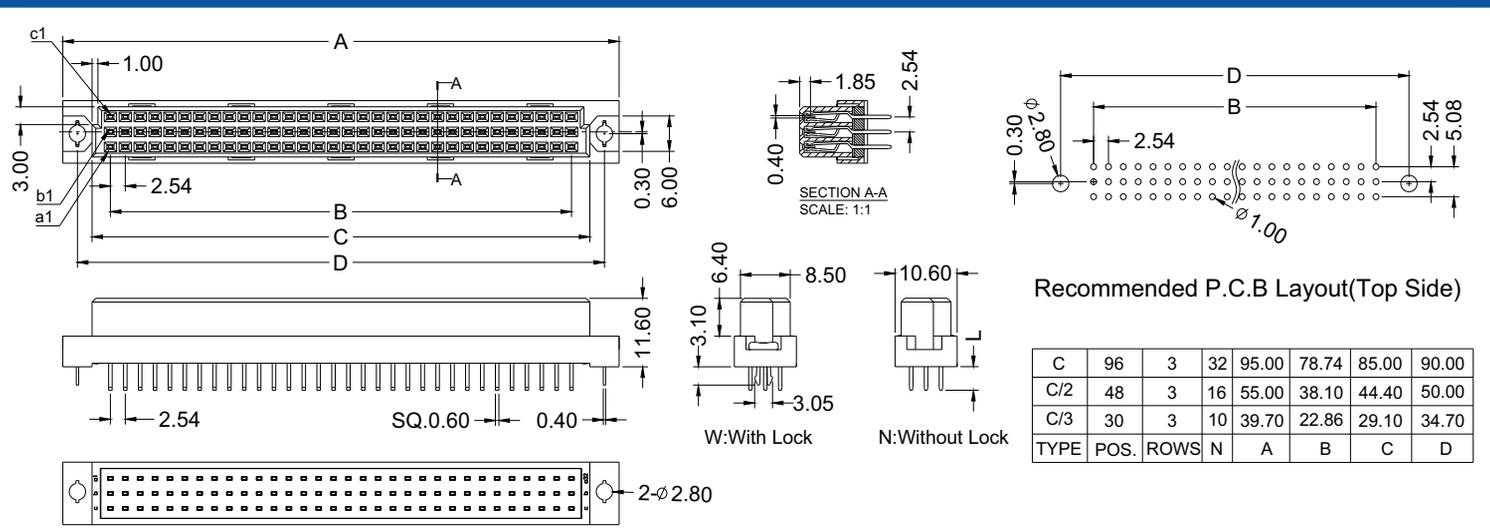


3410-316XFSXXNA1

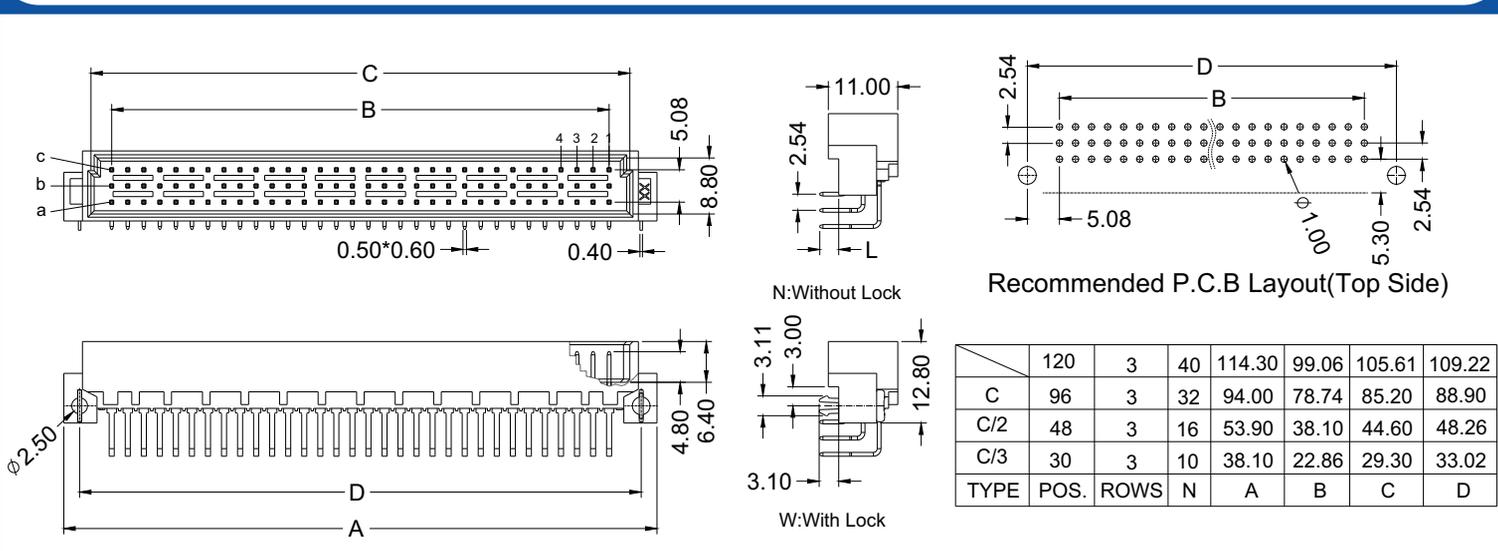


3410-316XMRXXNA1

<b>3410 - 3</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>S</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10, 16, 32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0: Gold Flash/Tin S3: 10u"Au/Tin S5: 30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



<b>3410 - 3</b>	<b>XX</b>	<b>X</b>	<b>M</b>	<b>R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10, 16, 32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0: Gold Flash/Tin S3: 10u"Au/Tin S5: 30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			

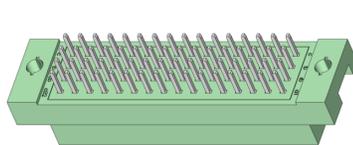




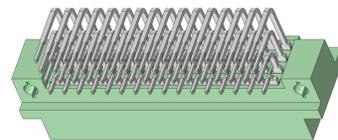


### SPECIFICATIONS

Current Rating:3.0AMP  
 Contact Resistance:30mΩ Max  
 Insulation Resistance:1000MΩ Min  
 Withstand Voltage:1000V AC/Minute  
 Operation Temperature:-55°C to +105°C  
 Contact Material:Phosphor Bronze  
 Contact Plating:Au or Sn Over Ni  
 Insulator Material:Polyester (UL94V-0)  
 Standard:PBT+30%GF  
 Type:E

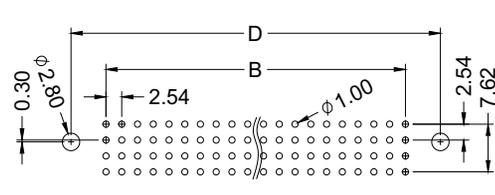
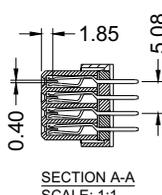
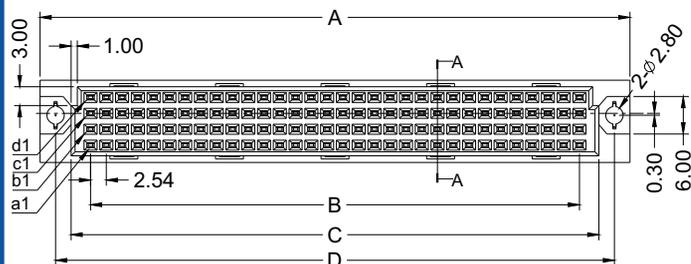


3410-416XFSXXNA1

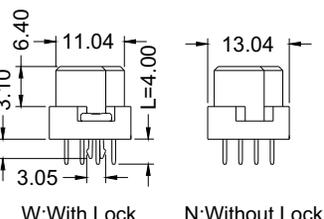
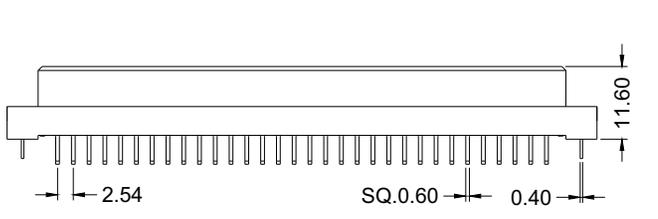


3410-416XMRXXNA1

<b>3410 - 4</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>S</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



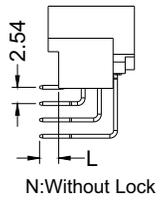
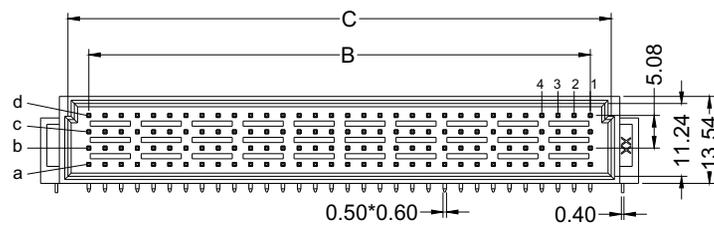
Recommended P.C.B Layout(Top Side)



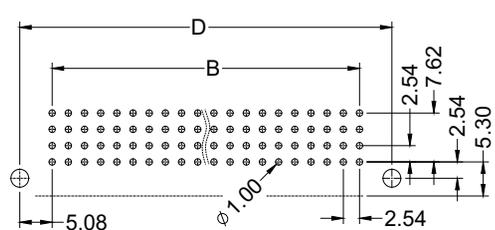
W:With Lock N:Without Lock

C	128	4	32	95.00	78.74	85.00	90.00
C/2	64	4	16	55.00	38.10	44.40	50.00
C/3	40	4	10	39.70	22.86	29.10	34.70
TYPE	POS.	ROWS	N	A	B	C	D

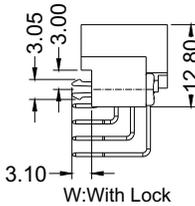
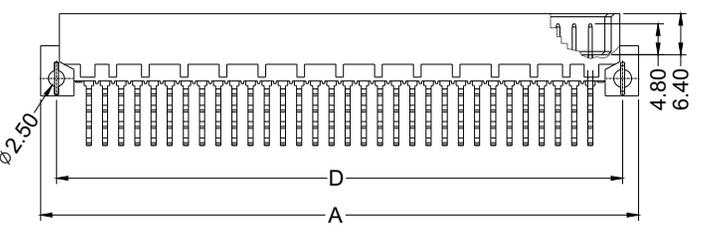
<b>3410 - 4</b>	<b>XX</b>	<b>X</b>	<b>M</b>	<b>R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



N:Without Lock



Recommended P.C.B Layout(Top Side)



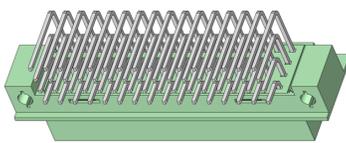
W:With Lock

	160	4	40	114.30	99.06	105.61	109.22
C	128	4	32	94.00	78.74	85.20	88.90
C/2	64	4	16	53.90	38.10	44.60	48.26
C/3	40	4	10	38.10	22.86	29.30	33.02
TYPE	POS.	ROWS	N	A	B	C	D

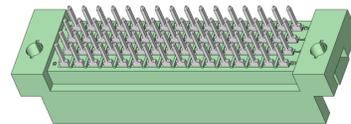


### SPECIFICATIONS

Current Rating: 3.0AMP  
 Contact Resistance: 30mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: E

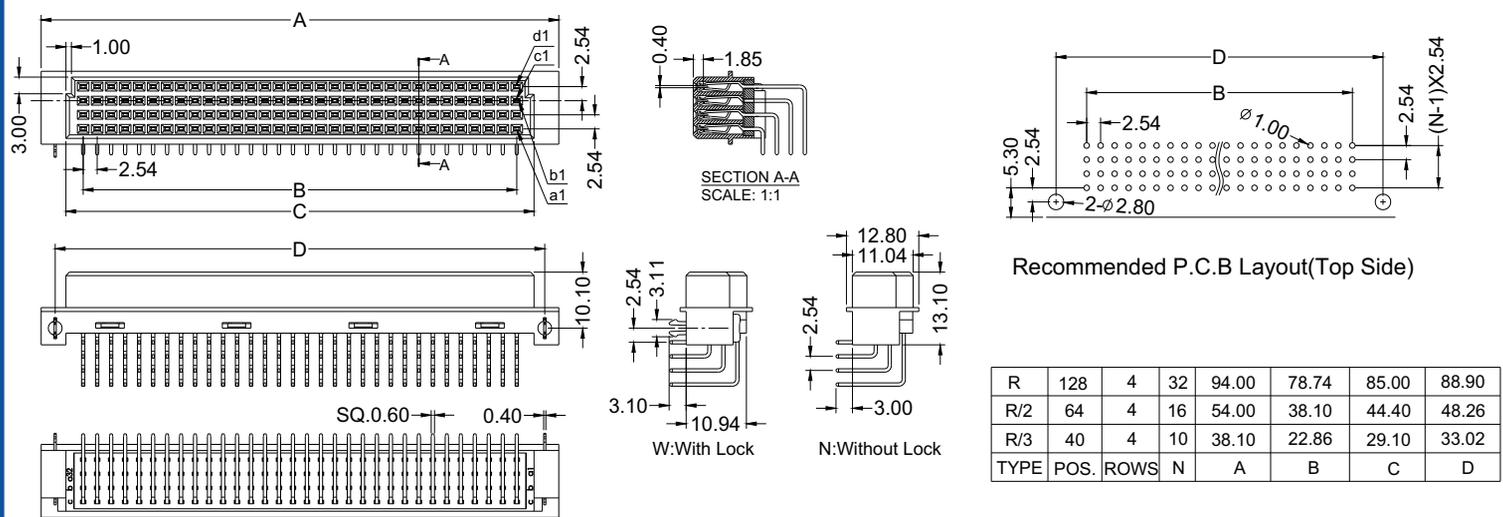


3410-416XFRXXNA1

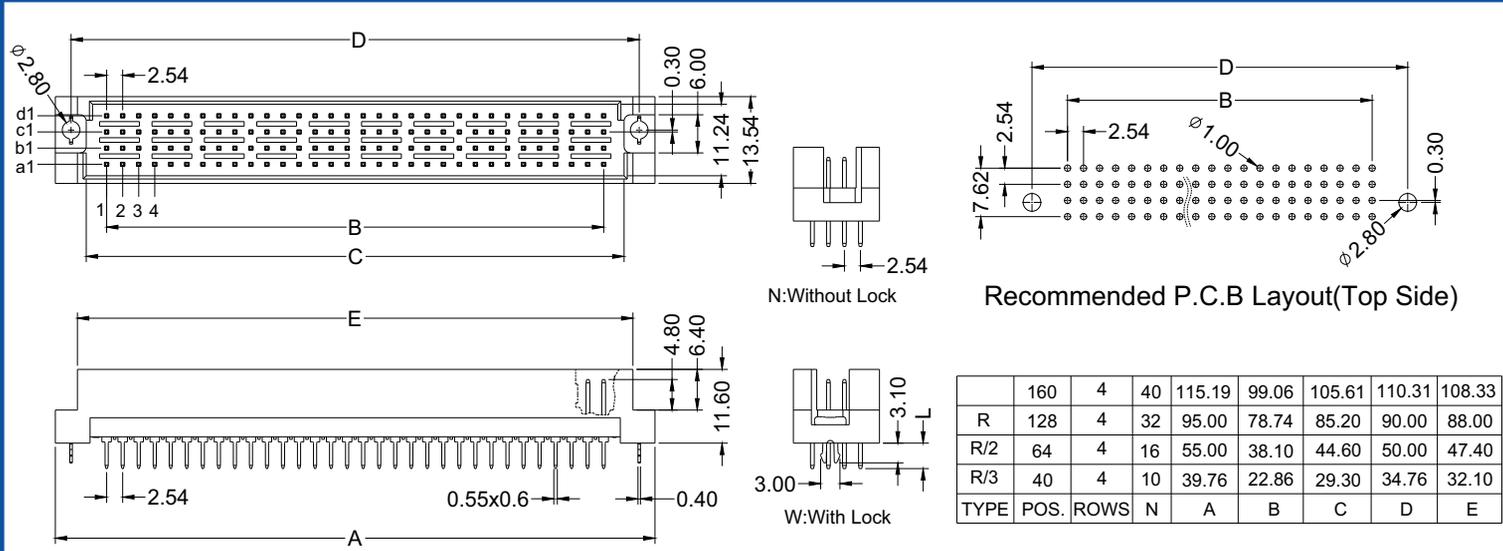


3410-416XMSXXNA1

<b>3410 - 4</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



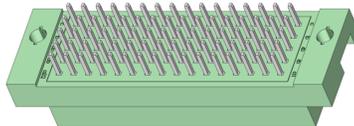
<b>3410 - 4</b>	<b>XX</b>	<b>X</b>	<b>M</b>	<b>S</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32,40	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



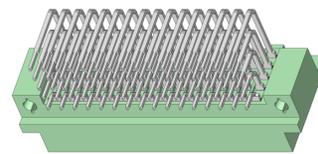


### SPECIFICATIONS

Current Rating:3.0AMP  
 Contact Resistance:30mΩ Max  
 Insulation Resistance:1000MΩ Min  
 Withstand Voltage:1000V AC/Minute  
 Operation Temperature:-55°C to +105°C  
 Contact Material:Phosphor Bronze  
 Contact Plating:Au or Sn Over Ni  
 Insulator Material:Polyester (UL94V-0)  
 Standard:PBT+30%GF  
 Type:E

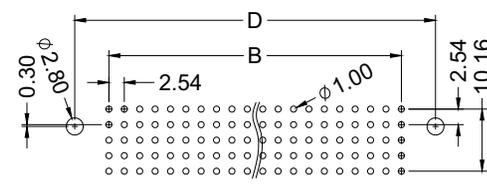
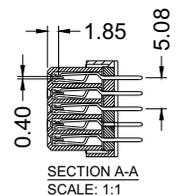
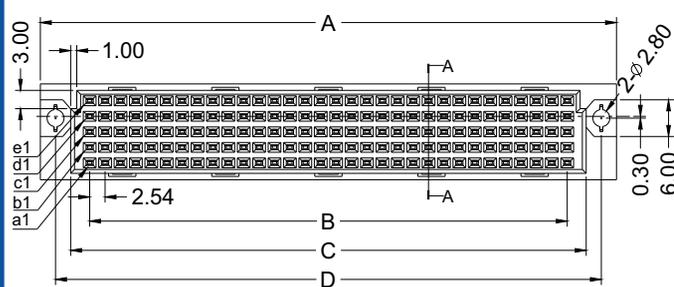


3410-516XFSXXNA1

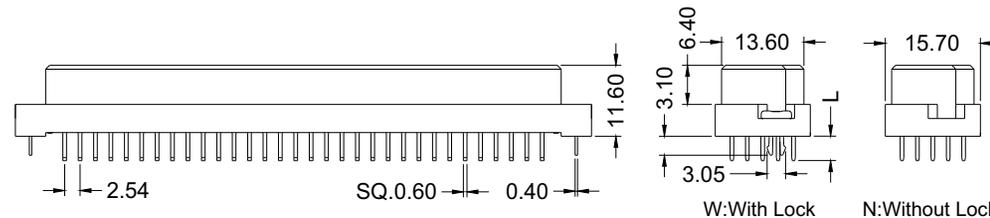


3410-516XMRXXNA1

<b>3410 - 5</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>S</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			

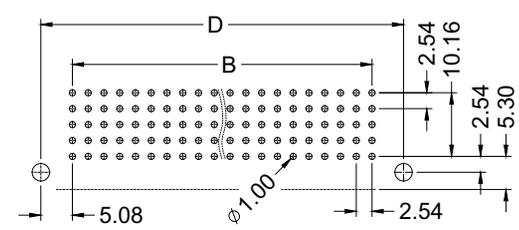
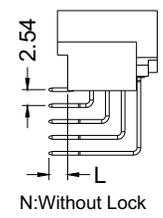
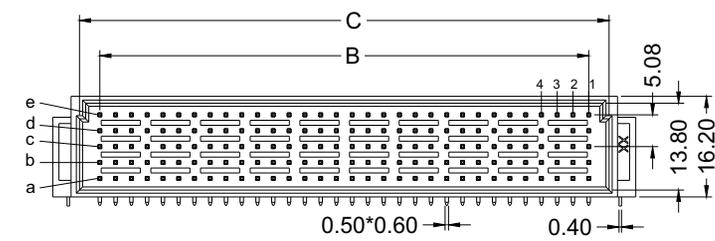


Recommended P.C.B Layout(Top Side)

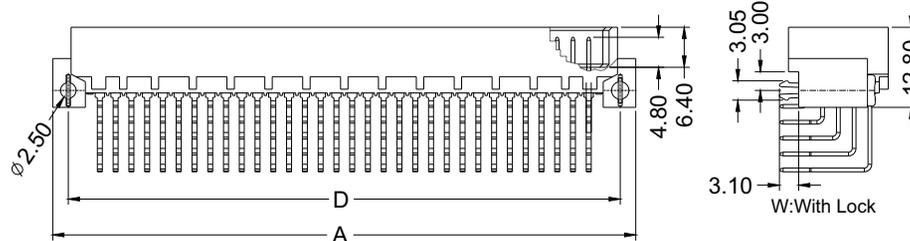


C	160	5	32	95.00	78.74	85.00	90.00
C/2	80	5	16	55.00	38.10	44.40	50.00
C/3	50	5	10	39.70	22.86	29.10	34.70
TYPE	POS.	ROWS	N	A	B	C	D

<b>3410 - 5</b>	<b>XX</b>	<b>X</b>	<b>M</b>	<b>R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10,16,32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57			



Recommended P.C.B Layout(Top Side)

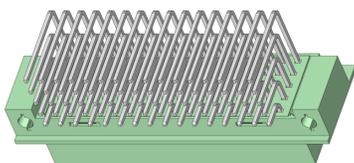


	200	5	40	114.30	99.06	105.61	109.22
C	160	5	32	94.00	78.74	85.20	88.90
C/2	80	5	16	53.90	38.10	44.60	48.26
C/3	50	5	10	38.10	22.86	29.30	33.02
TYPE	POS.	ROWS	N	A	B	C	D

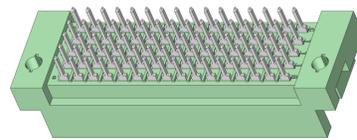


### SPECIFICATIONS

Current Rating: 3.0AMP  
 Contact Resistance: 30mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Phosphor Bronze  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: E



3410-516XFRXXNA1



3410-516XMSXXNA1

<b>3410 - 5</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10, 16, 32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c				Contact plating area S0: Gold Flash/Tin S3: 10u"Au/Tin S5: 30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57

**SECTION A-A SCALE: 1:1**

**Recommended P.C.B Layout (Top Side)**

R	160	5	32	94.00	78.74	85.00	88.90
R/2	80	5	16	54.00	38.10	44.40	48.26
R/3	50	5	10	38.10	22.86	29.10	33.02
TYPE	POS.	ROWS	N	A	B	C	D

<b>3410 - 5</b>	<b>XX</b>	<b>X</b>	<b>M</b>	<b>S</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row 10, 16, 32	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c				Contact plating area S0: Gold Flash/Tin S3: 10u"Au/Tin S5: 30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.50 2:L=3.00 3:L=4.00 4:L=4.57

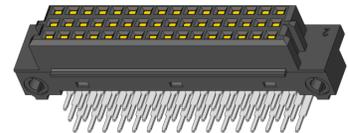
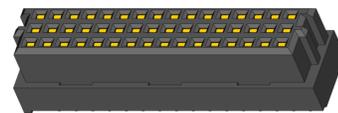
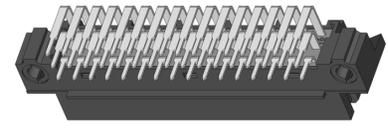
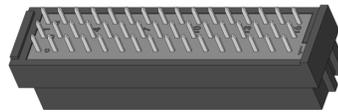
**Recommended P.C.B Layout (Top Side)**

	200	5	40	115.19	99.06	105.61	110.31	108.33
R	160	5	32	95.00	78.74	85.20	90.00	88.00
R/2	80	5	16	55.00	38.10	44.60	50.00	47.40
R/3	50	5	10	39.76	22.86	29.30	34.76	32.10
TYPE	POS.	ROWS	N	A	B	C	D	E



**SPECIFICATIONS**

- Current Rating: 3.0 AMP
- Contact Resistance: 20mΩ Max
- Insulation Resistance: 1000MΩ Min
- Withstand Voltage: 1000V AC/Minute
- Operation Temperature: -55°C to +105°C
- Contact Material: Copper alloy
- Contact Plating: Au or Sn Over Ni
- Insulator Material: Polyester (UL94V-0)
- Standard: PA9T+30%GF

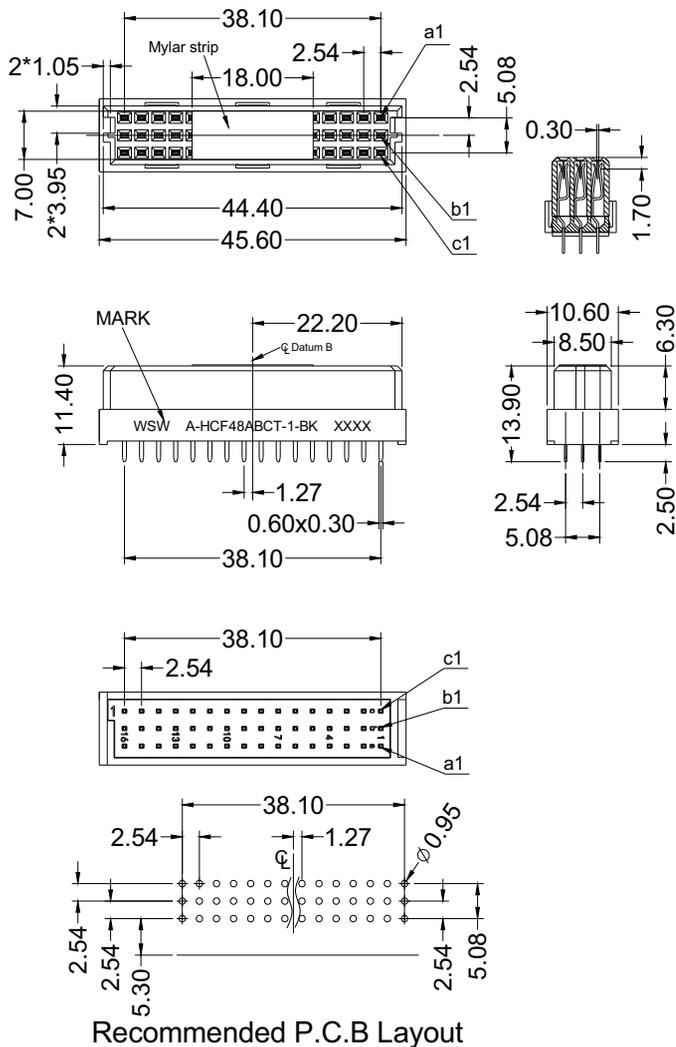


3411-3XXAFSXXNA2

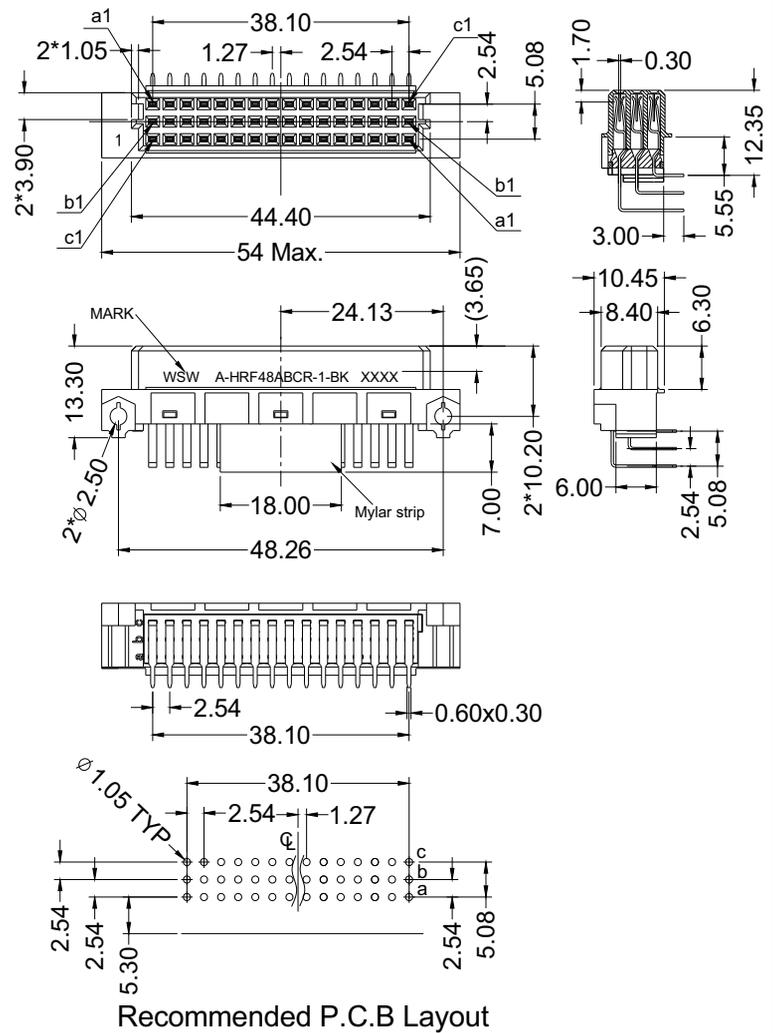
3411-3XXAFRXXNA2

<b>3411</b>	<b>-</b>	<b>3</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Rows		3: Triple Rows	Positions Per Row	Terminal Allot	Board-Mounting	Contact plating area	W=W/ Latch	N=W/O Latch	Packaging	DIP Length
			16	A=a+b+c B=a+b	R: R/A DIP S: S/T DIP	S0: Gold Flash/Tin S3: 10u" Au/Tin S5: 30u" Au/Tin			A=Tray	1: L=2.50 2: L=3.00

**3411-316AFSS5HNR1**



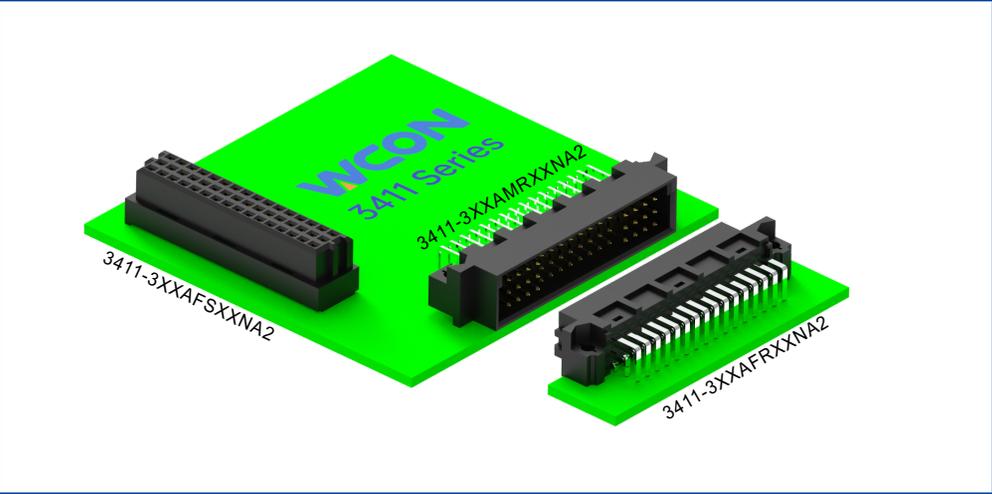
**3411-316AFRS5HNR2**





**SPECIFICATIONS**

Current Rating: 3.0 AMP  
 Contact Resistance: 20mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +105°C  
 Contact Material: Copper alloy  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PA9T+30%GF



3411 - 3

XX

X

M

X

XX

X

A

2

Positions Per Row  
10, 16, 32

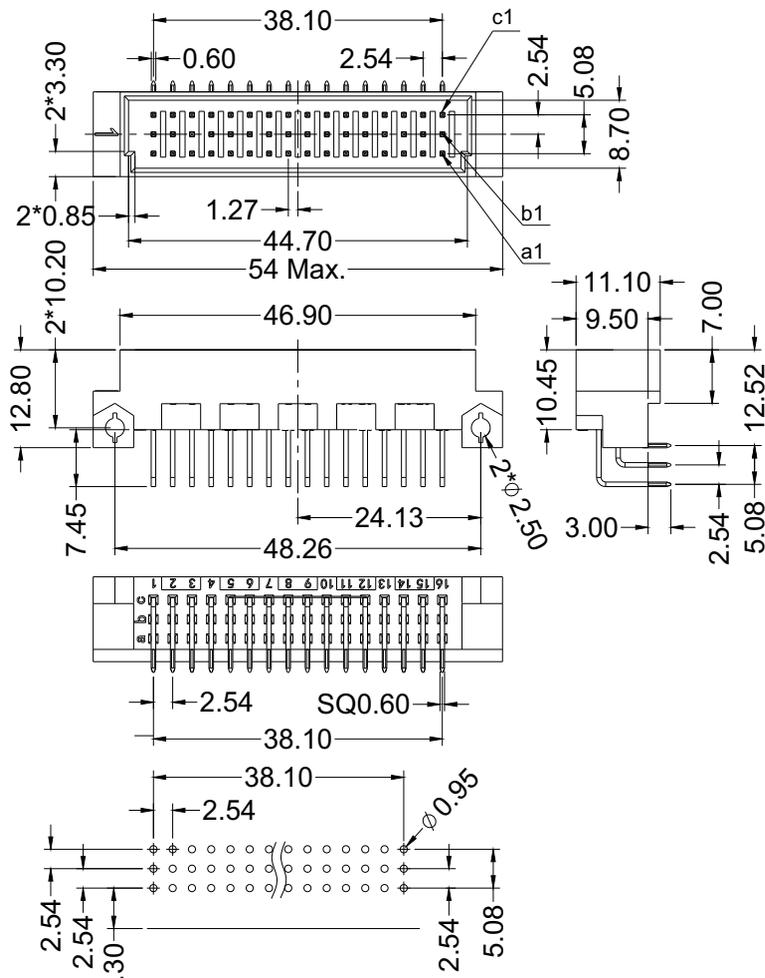
Terminal Allot  
A=a+b+c  
B=a+b

Board-Mounting  
R: R/A DIP  
S: S/T DIP

Contact plating area  
S0: Gold Flash/Tin  
S3: 10u"Au/Tin  
S5: 30u"Au/Tin

W=W/ Latch  
N=W/O Latch

Packaging DIP Length  
A=Tray 2:L=3.00



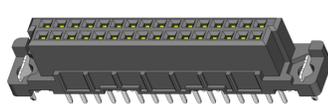
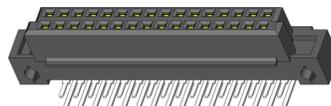
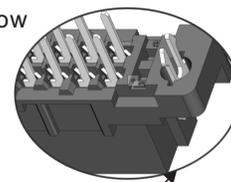
Recommended P.C.B Layout



### SPECIFICATIONS

Current Rating: 2.0 AMP  
 Contact Resistance: 20mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +125°C  
 Contact Material: Copper alloy  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: HT

3412 Series Dual Row Without Cover

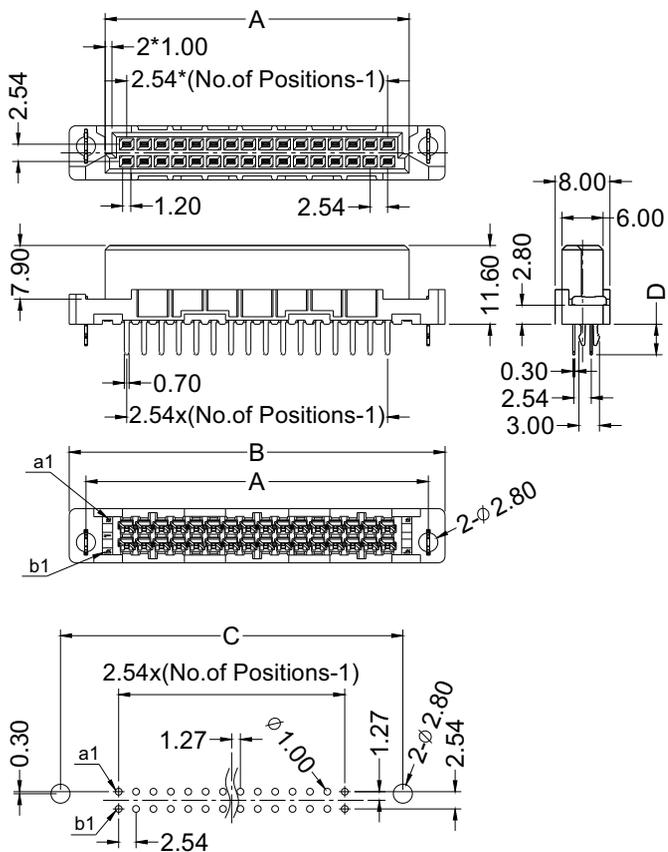


3412-2XXAFRXXNA1

3412-2XXAFSXXWA1

3412	-	2	<u>XX</u>	<u>X</u>	<u>F</u>	<u>X</u>	<u>XX</u>	<u>X</u>	<u>A</u>	<u>1</u>
			Positions Per Row 10, 16, 32, 40	Terminal Allot A=a+b+c B=a+b	Board-Mounting R: R/A DIP S: S/T DIP		Contact plating area S0: Gold Flash/Tin S3: 10u" Au/Tin S5: 30u" Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=2.80

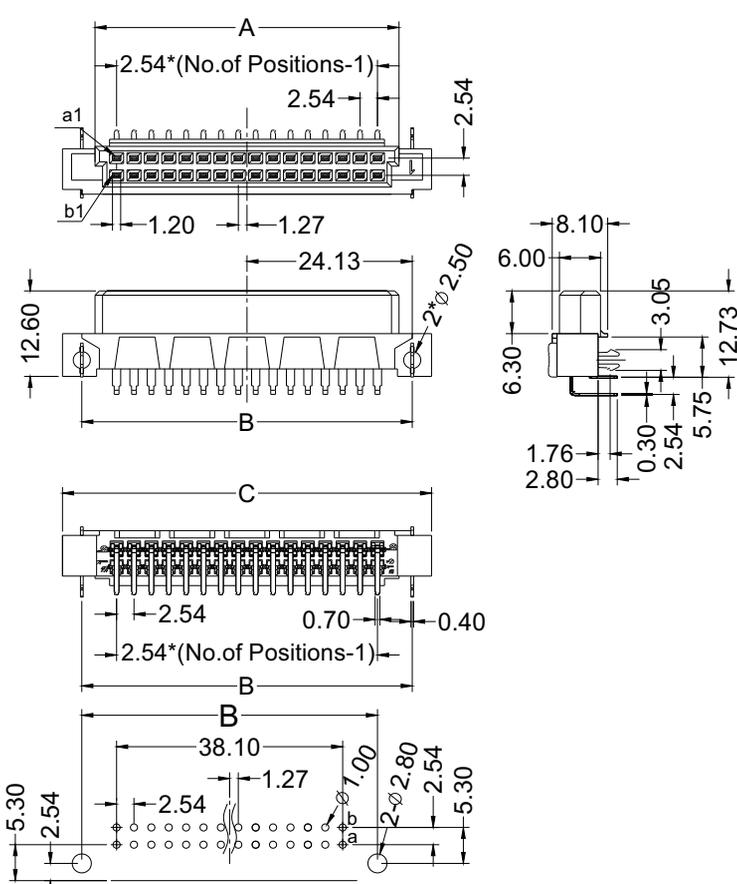
3412-2XXAFSXXWA1



Recommended P.C.B Layout

Dim.	A	B	C	D
2*10P	29.16	39.66	34.76	2.90 4.50
2*16P	44.40	54.90	50.00	
2*32P	85.04	94.90	90.00	
2*40P	105.36	115.22	109.68	

3412-2XXAFRXXNA1



Recommended P.C.B Layout

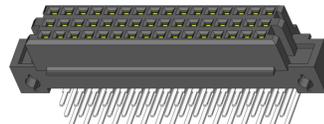
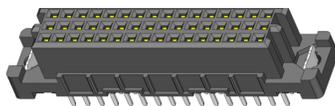
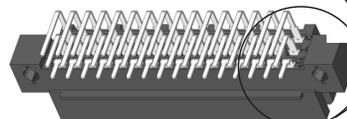
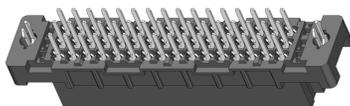
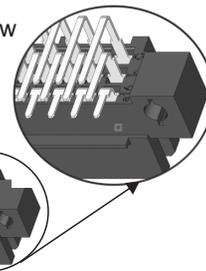
Dim.	A	B	C
2*10PIN	29.16	33.02	38.20
2*16PIN	44.40	48.26	53.90
2*32PIN	85.04	88.90	94.00
2*40PIN	105.36	109.22	114.32



### SPECIFICATIONS

Current Rating: 2.0 AMP  
 Contact Resistance: 20mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +125°C  
 Contact Material: Copper alloy  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: HT

3412 Series Three Row Without Cover

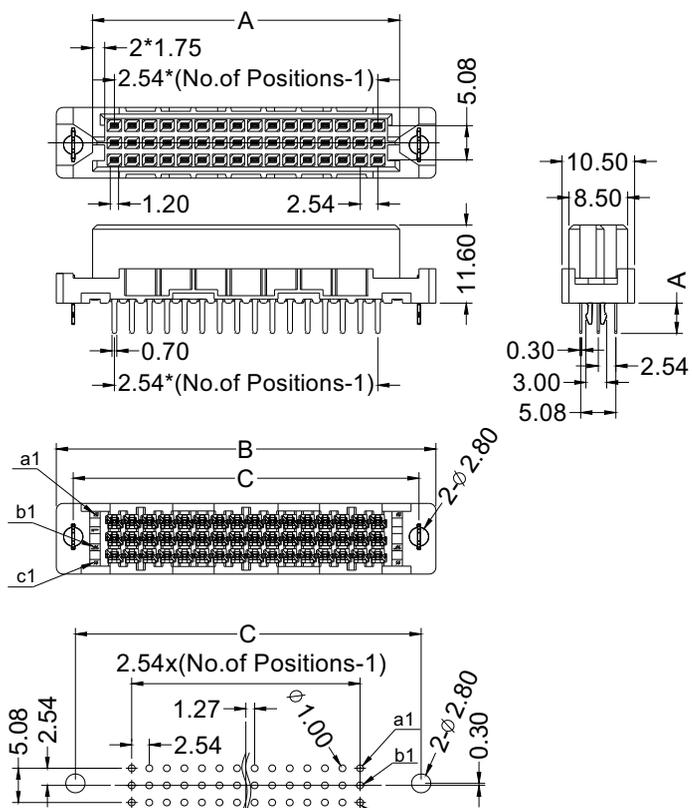


3412-3XXAFSXXWA1

3412-3XXAFRXXNA1

<b>3412</b>	<b>-</b>	<b>3</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>1</b>
Rows		3: Triple Rows	Positions Per Row	Terminal Allot	Board-Mounting	Contact plating area	W=W/ Latch	Packaging	DIP Length	
			10, 16, 32, 40	A=a+b+c B=a+b	R: R/A DIP S: S/T DIP	S0: Gold Flash/Tin S3: 10u"Au/Tin S5: 30u"Au/Tin	N=W/O Latch	A=Tray	1:L=2.80	

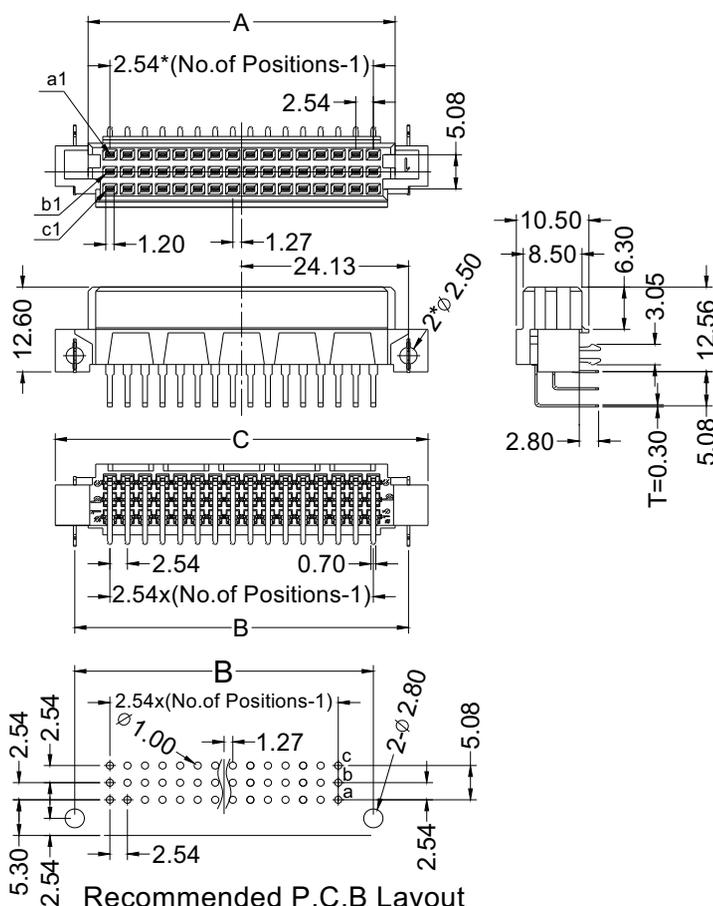
3412-3XXAFSXXWA1



Recommended P.C.B Layout

Dim.	A	B	C	D
3*10P	29.16	39.66	34.76	2.90 4.50
3*16P	44.40	54.90	50.00	
3*32P	85.04	94.90	90.00	
3*40P	105.36	115.22	109.68	

3412-3XXAFRXXNA1

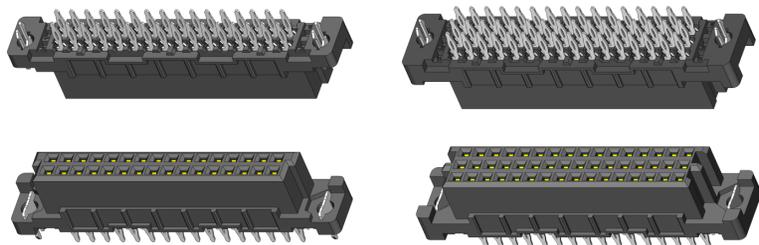


Recommended P.C.B Layout

Dim.	A	B	C
3*10PIN	29.16	33.02	38.20
3*16PIN	44.40	48.26	53.90
3*32PIN	85.04	88.90	94.00
3*40PIN	105.36	109.22	114.32

**SPECIFICATIONS**

Current Rating: 2.0 AMP  
 Contact Resistance: 20mΩ Max  
 Insulation Resistance: 1000MΩ Min  
 Withstand Voltage: 1000V AC/Minute  
 Operation Temperature: -55°C to +125°C  
 Contact Material: Copper alloy  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF  
 Type: HT



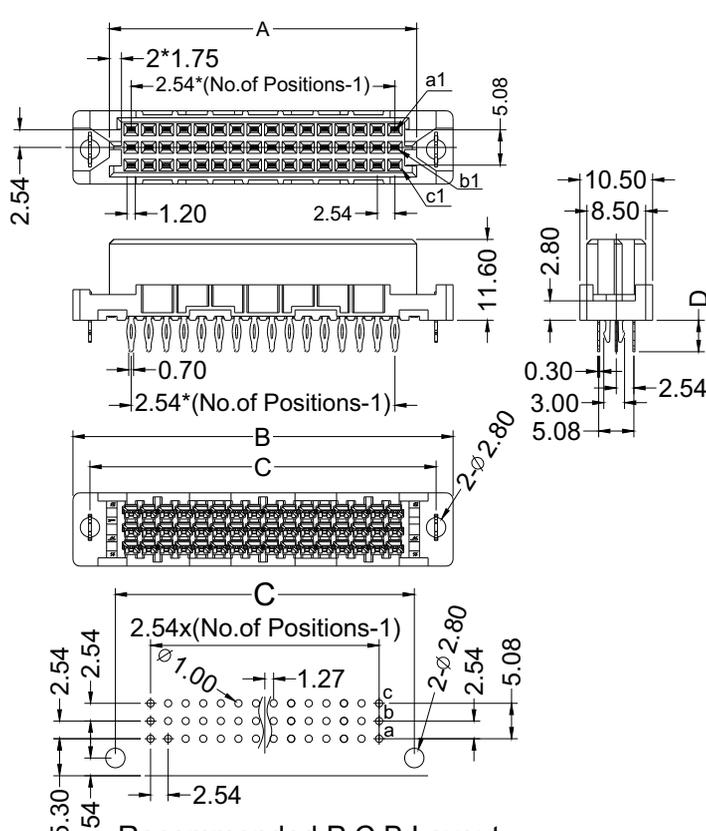
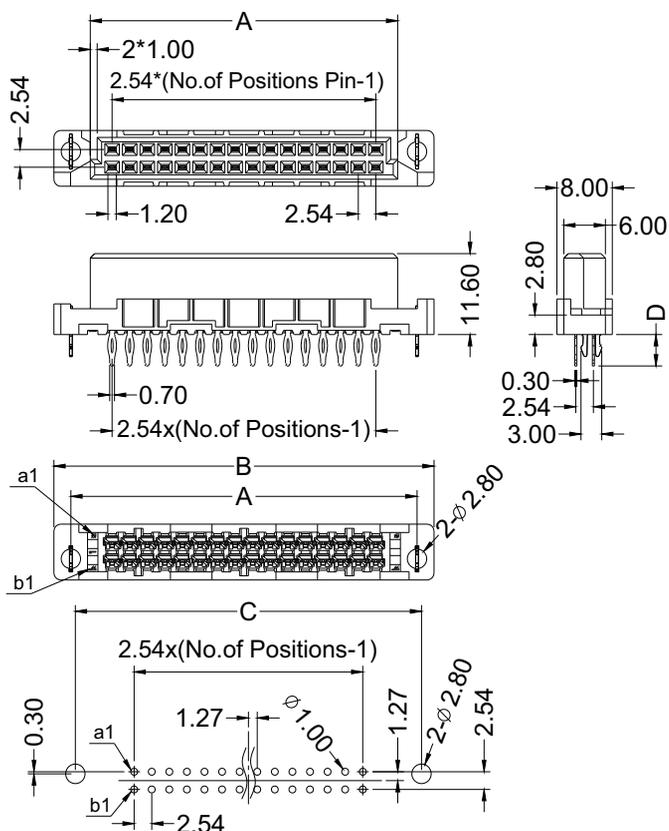
3412-2XXAFPXXWA1

3412-3XXAFPXXWA1

<b>3412</b>	-	<b>X</b>	<b>XX</b>	<b>X</b>	<b>F</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>1</b>
Rows		Positions	Terminal Allot	Board-Mounting	Contact plating area	W=W/ Latch	Packaging	DIP Length		
2: Dual Row		Per Row	A=a+b+c	P: Press Fit	S0: Gold Flash/Tin	N=W/O Latch	A=Tray	1: L=2.90		
3: Triple Rows		10, 16, 32, 40	B=a+b		S3: 10u"Au/Tin			2: L=4.50		
					S5: 30u"Au/Tin					

3412-2XXAFPXXWAX

3412-3XXAFPXXWAX



Recommended P.C.B Layout

Recommended P.C.B Layout

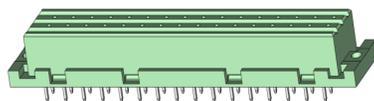
Dim. Pos	A	B	C	D
3*10P	29.16	39.66	34.76	3.70 4.50
3*16P	44.40	54.90	50.00	
3*32P	85.04	94.90	90.00	
3*40P	105.36	115.22	109.68	

Dim. Pos	A	B	C	D
3*10P	29.16	39.66	34.76	3.70 4.50
3*16P	44.40	54.90	50.00	
3*32P	85.04	94.90	90.00	
3*40P	105.36	115.22	109.68	



### SPECIFICATIONS

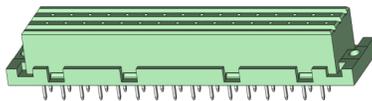
Current Rating:5.6 AMP  
 Contact Resistance:15mΩ Max  
 Insulation Resistance:10<sup>6</sup>MΩ Min  
 Withstand Voltage:1550V AC/Minute  
 Operation Temperature:-55°C to +125°C  
 Contact Material:Copper alloy  
 Contact Plating:Au or Sn Over Ni  
 Insulator Material:Polyester (UL94V-0)  
 Standard:PBT+30%GF



3414-316XFSXXNA2



3414-316XFPXXNA1

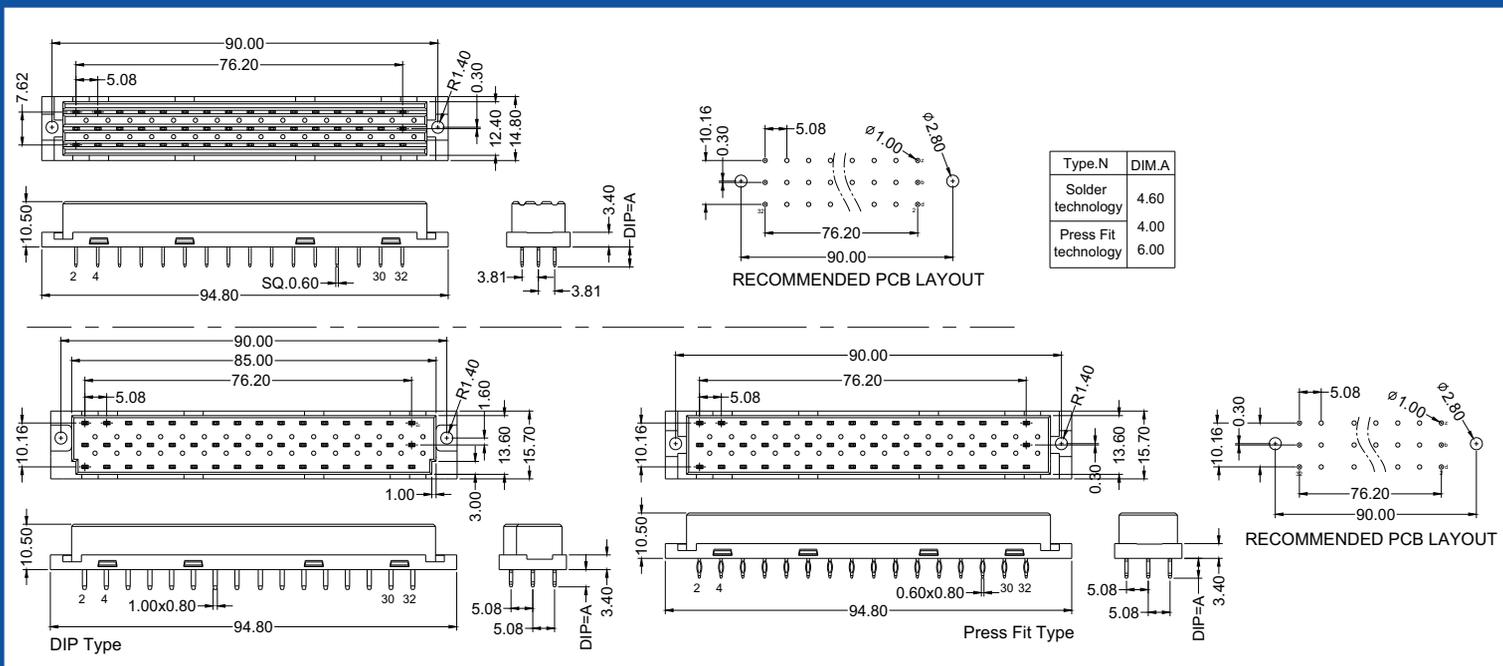


3414-316XFSXXNA1

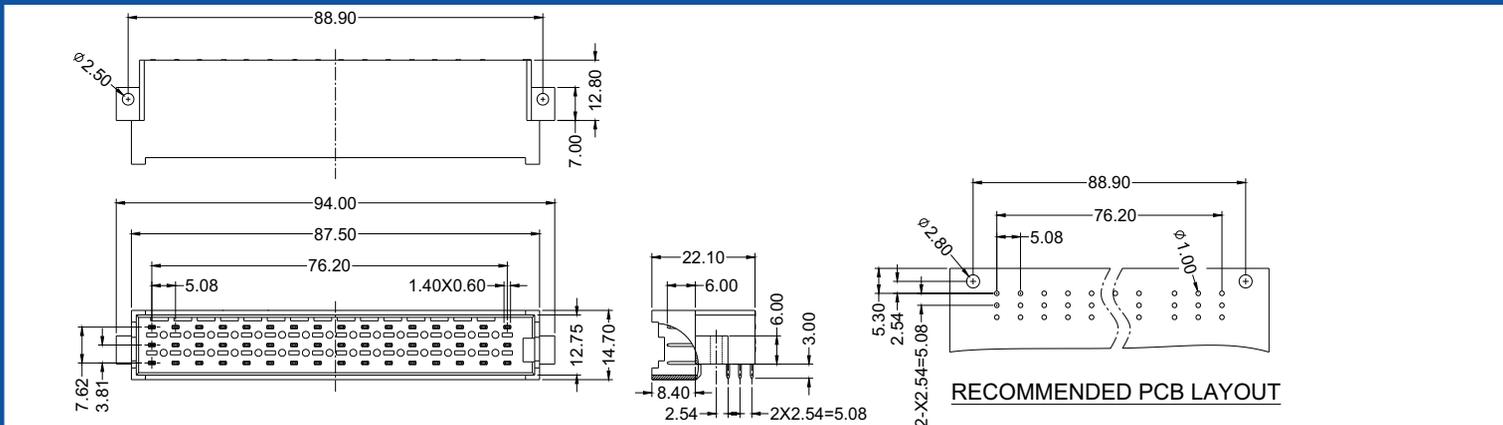


3414-316XMRXXNA1

<b>3414</b>	<b>- 3</b>	<b>16</b>	<b>X</b>	<b>F</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row	16	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Board-Mounting S:S/T DIP P:Press Fit	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=4.60 2:L=4.00		

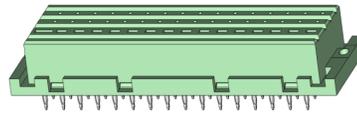


<b>3414</b>	<b>- 3</b>	<b>16</b>	<b>X</b>	<b>M R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row	16	Terminal Allot A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	Contact plating area S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	W=W/ Latch N=W/O Latch	Packaging A=Tray	DIP Length 1:L=3.00		

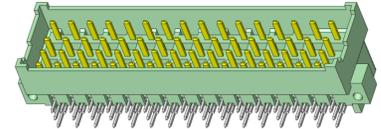


**SPECIFICATIONS**

Current Rating: 5.6 AMP  
 Contact Resistance: 15mΩ Max  
 Insulation Resistance: 10<sup>9</sup> MΩ Min  
 Withstand Voltage: 1550V AC/Minute  
 Operation Temperature: -55°C to +125°C  
 Contact Material: Copper alloy  
 Contact Plating: Au or Sn Over Ni  
 Insulator Material: Polyester (UL94V-0)  
 Standard: PBT+30%GF



3414-416XFSXXNA1



3414-416XMRXXNA1

<b>3414</b>	<b>- 4</b>	<b>16</b>	<b>X</b>	<b>F</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row	Terminal Allot	Board-Mounting	Contact plating area	W=W/ Latch	Packaging	DIP Length			
16	A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c	S:S/T DIP P:Press Fit	S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	N=W/O Latch	A=Tray	1:L=4.50 2:L=6.00 3:L=9.00 4:L=22.00			

DIP Type

Press Fit Type

A	PCB thickness	min. 1.4mm
B	Plated hole	∅ 1.0+0.09/-0.00mm
C	Drill hole	1.15±0.025mm
D	Cu plating	min. 25µm
E	Ni,Au plating	0.05~0.2µm Au
F	Ni,Au plating	over 2.5~5µm Ni
G	Annular ring	min. 0.1mm

RECOMMENDED PCB LAYOUT(Press Fit Type)

DIP=A

	Type.N	DIM.A
Solder technology	Type.1	4.50
	Type.2	22.00
Press Fit technology	Type.2	6.00
	Type.4	9.00

RECOMMENDED PCB LAYOUT(DIP Type)

<b>3414</b>	<b>- 4</b>	<b>16</b>	<b>X</b>	<b>M R</b>	<b>XX</b>	<b>X</b>	<b>A</b>	<b>X</b>
Positions Per Row	Terminal Allot	Board-Mounting	Contact plating area	W=W/ Latch	Packaging	DIP Length		
16	A=a+b+c B=a+b C=a+c D=a E=5.08 Pitch:a+b+c F=5.08 Pitch:a+c		S0:Gold Flash/Tin S3:10u"Au/Tin S5:30u"Au/Tin	N=W/O Latch	A=Tray	1:L=3.00		

RECOMMENDED PCB LAYOUT