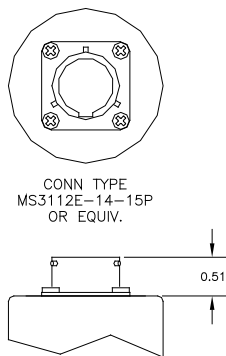


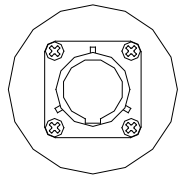
PIN	FAILSAFE		LATCHING		NORMALLY OPEN	
	SPDT	TRANSFER	SPDT (Logic Input)	TRANSFER	SPDT	TRANSFER
A		+1	N.O.	Position 1		+V SW
B		-2	+V	Position 2		C RTN
C		N/A	-B	COM		Logic Input 1
D		Ind Position 1	Ind Position 1	Ind Position 1		Logic Input 2
E		Ind Position 2	Ind Position 2	Ind Position 2		Ind COM
F		Ind COM	Ind COM	Ind COM		Ind Position 1

Series: D1, D2, D3, D4, D5, D13, DK1, DK3, T3, T4, T5, TK4

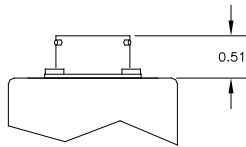


	FAILSAFE			LATCHING		NORMALLY OPEN	
	SP3T - SP6T w/ INDICATORS	SP3T - SP6T w/ INDICATORS (Logic Input)	SP3T - SP6T w/ INDICATORS (No Reset)	SP3T - SP6T w/ INDICATORS (Logic Input-No Reset)	SP3T - SP6T w/ INDICATORS	SP3T - SP6T w/ INDICATORS (Logic Input)	
A	N/A	N/A	Position 1	Position 1	Position 1	Position 1	
B	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	
C	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3	
D	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4	
E	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5	
F	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6	
G	C/ +V	C/ +V	C/ +V	C/ +V	C/ +V	C/ +V	
H	-B	-B	-B	-B	-B	-B	
J	Ind Position 1	Ind Position 0	Ind Position 1	Ind Position 2	Ind Position 3	Ind Position 4	
K	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	
L	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	
M	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	
N	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	
P	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	
R	Ind COM	Ind COM	Ind COM	Ind COM	Ind COM	Ind COM	

Series: M, O, Q, QK, S

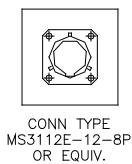


CONN TYPE
MS3112E-14-19P
OR EQUIV.

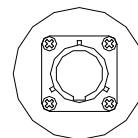
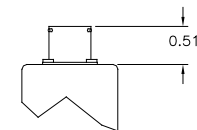


PIN	FAILSAFE		LATCHING		NORMALLY OPEN	
	SP7T - SP8T w/ INDICATORS	SP7T - SP8T w/ INDICATORS (Logic Input)	SP7T - SP8T w/ INDICATORS (No Reset)	SP7T - SP8T w/ INDICATORS (Logic Input-No Reset)	SP7T - SP8T w/ INDICATORS	SP7T - SP8T w/ INDICATORS (Logic Input)
A	N/A	N/A	Position 1	Position 1	Position 1	Position 1
B	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2
C	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3
D	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4
E	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5
F	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6
G	Position 7	Position 7	Position 7	Position 7	Position 7	Position 7
H	Position 8	Position 8	Position 8	Position 8	Position 8	Position 8
J	C/ +V	C/ +V	C/ +V	C/ +V	C/ +V	C/ +V
K	-B	-B	-B	-B	-B	-B
L	Ind Position 1	Ind Position 0	Ind Position 1	Ind Position 2	Ind Position 3	Ind Position 4
M	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2
N	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3
P	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4
R	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5
S	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6
T	Ind Position 7	Ind Position 7	Ind Position 7	Ind Position 7	Ind Position 7	Ind Position 7
U	Ind Position 8	Ind Position 8	Ind Position 8	Ind Position 8	Ind Position 8	Ind Position 8
V	Ind COM	Ind COM	Ind COM	Ind COM	Ind COM	Ind COM

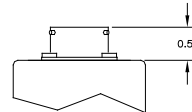
Series: L, N, S



CONN TYPE
MS3112E-12-8P
OR EQUIV.



CONN TYPE
MS3112E-14-18P
OR EQUIV.

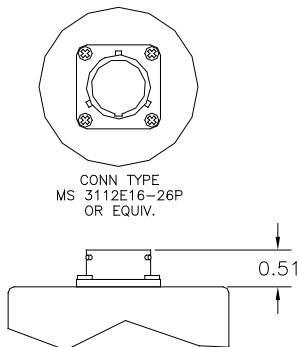


PIN	NORMALLY OPEN	LATCHING
	SPDT TRANSFER (Logic Input)	SPDT TRANSFER (Logic Input)
A	Position 1	Position 1
B	Position 2	Position 2
C	+A	+A
D	-B	-B
E	Ind Position 1	Ind Position 1
F	Ind Position 2	Ind Position 2
G	Ind COM	Ind COM
H	N/A	N/A

Series: D1, D2, D3, D4, D5, D13, DK1, DK3,
T3, T4, T5, TK4

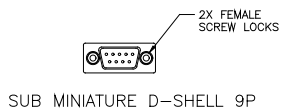
PIN	LATCHING	
	SP3T - SP6T w/ INDICATORS (Reset)	SP3T - SP6T w/ INDICATORS (Logic Input - Reset)
A	Position 1	Position 2
B	Position 2	Position 2
C	Position 3	Position 3
D	Position 4	Position 4
E	Position 5	Position 5
F	Position 6	Position 6
G	C/ +V	C/ +V
H	-B	-B
J	Ind Position 1	Ind Position 1
K	Ind Position 2	Ind Position 2
L	Ind Position 3	Ind Position 3
M	Ind Position 4	Ind Position 4
N	Ind Position 5	Ind Position 5
P	Ind Position 6	Ind Position 6
R	Ind COM	Ind COM
S	RST	RST
T	N/A	N/A
U	N/A	N/A

Series: M, O, Q, QK, S



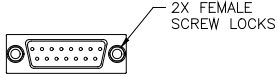
PIN	FAILSAFE			LATCHING			NORMALLY OPEN	
	SP9T - SP10T w/ INDICATORS	SP9T - SP10T w/ INDICATORS (Logic Input)	SP7T - SP8T w/ INDICATORS (Reset)	SP7T - SP8T w/ INDICATORS (Logic Input-Reset)	SP9T - SP10T w/ INDICATORS (Reset)	SP9T - SP10T w/ INDICATORS (Logic Input-Reset)	SP9T - SP10T w/ INDICATORS	SP9T - SP10T w/ INDICATORS (Logic Input)
A	N/A	N/A	Position 1	Position 1	Position 1	Position 1	Position 1	Position 1
B	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2
C	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3
D	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4
E	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5
F	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6
G	Position 7	Position 7	Position 7	Position 7	Position 7	Position 7	Position 7	Position 7
H	Position 8	Position 8	Position 8	Position 8	Position 8	Position 8	Position 8	Position 8
J	Position 9	Position 9	C/ +V	C/ +V	Position 9	Position 9	Position 9	Position 9
K	Position 10	Position 10	-B	-B	Position 10	Position 10	Position 10	Position 10
L	C/ +V	C/ +V	Ind Position 1	Ind Position 2	C/ +V	C/ +V	C/ +V	C/ +V
M	-B	-B	Ind Position 2	Ind Position 2	-B	-B	-B	-B
N	Ind Position 3	Ind Position 4	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 4	Ind Position 3	Ind Position 4
P	Ind Position 2	Ind Position 2	Ind Position 4	Ind Position 4	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2
R	Ind Position 3	Ind Position 3	Ind Position 5	Ind Position 5	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3
S	Ind Position 4	Ind Position 4	Ind Position 6	Ind Position 6	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4
T	Ind Position 5	Ind Position 5	Ind Position 7	Ind Position 7	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5
U	Ind Position 6	Ind Position 6	Ind Position 8	Ind Position 8	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6
V	Ind Position 7	Ind Position 7	Ind COM	Ind COM	Ind Position 7	Ind Position 7	Ind Position 7	Ind Position 7
W	Ind Position 8	Ind Position 8	RST	RST	Ind Position 8	Ind Position 8	Ind Position 8	Ind Position 8
X	Ind Position 9	Ind Position 9			Ind Position 9	Ind Position 9	Ind Position 9	Ind Position 9
Y	Ind Position 10	Ind Position 10			Ind Position 10	Ind Position 10	Ind Position 10	Ind Position 10
Z	Ind COM	Ind COM			Ind COM	Ind COM	Ind COM	Ind COM
a					RST	RST		
c								

Series: L, N, S, W



PIN	FAILSAFE			LATCHING			NORMALLY OPEN		
	SPDT TRANSFER	SP3T - SP6T w/o INDICATORS (Reset)	SP3T - SP6T w/o INDICATORS (Logic Input-Reset)	SPDT TRANSFER	SP3T - SP6T w/o INDICATORS (Reset)	SP3T - SP6T w/o INDICATORS (Logic Input-Reset)	SPDT	SP3T - SP6T w/o INDICATORS	SP3T - SP6T w/o INDICATORS (Logic Input)
1	N/A	N/A	N/A	Position 1	Position 1	Position 1	Position 1	Position 1	Position 1
2	Position NO	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2
3	C/ +A	Position 3	Position 3	C/ +A	Position 3	Position 3	C/ +A	Position 3	Position 3
4	-B	Position 4	Position 4	-B	Position 4	Position 4	-B	Position 4	Position 4
5	Ind Position 1	Position 5	Position 5	Ind Position 1	Position 5	Position 5	Ind Position 1	Position 5	Position 5
6	Ind Position 2	Position 6	Position 6	Ind Position 2	Position 6	Position 6	Ind Position 2	Position 6	Position 6
7	Ind COM	C/ +V	C/ +V	Ind COM	C/ +V	C/ +V	Ind COM	C/ +V	C/ +V
8	N/A	-B	-B	N/A	-B	-B	N/A	-B	-B

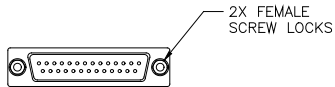
Series: D1, D2, D3, D4, D5, D13, DK1, DK3, T3, T4, T5, TK4, M, O, Q, QK, S



SUB MINIATURE D-SHELL 15P

PIN	FAILSAFE				NORMALLY OPEN/LATCHING			
	SP3T - SP6T w/ INDICATORS	SP3T - SP6T w/ INDICATORS (Logic Input)	SP7T - SP10T w/o INDICATORS	SP7T - SP10T w/o INDICATORS (Logic Input)	SP3T - SP6T w/ INDICATORS	SP3T - SP6T w/ INDICATORS (Logic Input)	SP7T - SP10T w/o INDICATORS	SP7T - SP10T w/o INDICATORS (Logic Input)
1	N/A	N/A	N/A	N/A	Position 1	Position 1	N/A	N/A
2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2
3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3
4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4
5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5
6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6
7	C/ +A	C/ +A	Position 7	Position 7	C/ +A	C/ +A	Position 7	Position 7
8	-B	-B	Position 8	Position 8	-B	-B	Position 8	Position 8
9	Ind Position 1	Ind Position 1	Position 9	Position 9	Ind Position 1	Ind Position 1	Position 9	Position 9
10	Ind Position 2	Ind Position 2	Position 10	Position 10	Ind Position 2	Ind Position 2	Position 10	Position 10
11	Ind Position 3	Ind Position 3	C/ +V	C/ +V	Ind Position 3	Ind Position 3	C/ +V	C/ +V
12	Ind Position 4	Ind Position 4	-B	-B	Ind Position 4	Ind Position 4	-B	-B
13	Ind Position 5	Ind Position 5	RST	RST	Ind Position 5	Ind Position 5	RST	RST
14	Ind Position 6	Ind Position 6	N/A	N/A	Ind Position 6	Ind Position 6	N/A	N/A
15	Ind COM	Ind COM	N/A	N/A	Ind COM	Ind COM	N/A	N/A

Series: L, M, N, O, Q, QK, S, W



SUB MINIATURE D-SHELL 25P

PIN	FAILSAFE			NORMALLY OPEN/LATCHING		
	SP7T - SP10T w/ INDICATORS	SP7T - SP10T w/ INDICATORS (Logic Input)	SP3T - SP6T w/ INDICATORS (Reset)	SP3T - SP6T w/ INDICATORS (Logic Input-Reset)	SP7T - SP10T w/o INDICATORS (Reset)	SP7T - SP10T w/o INDICATORS (Logic Input-Reset)
1	N/A	N/A	Position 1	Position 1	N/A	N/A
2	Position 2	Position 2	Position 2	Position 2	Position 2	Position 2
3	Position 3	Position 3	Position 3	Position 3	Position 3	Position 3
4	Position 4	Position 4	Position 4	Position 4	Position 4	Position 4
5	Position 5	Position 5	Position 5	Position 5	Position 5	Position 5
6	Position 6	Position 6	Position 6	Position 6	Position 6	Position 6
7	Position 7	Position 7	N/A	N/A	Position 7	Position 7
8	Position 8	Position 8	N/A	N/A	Position 8	Position 8
9	Position 9	Position 9	N/A	N/A	Position 9	Position 9
10	Position 10	Position 10	N/A	N/A	Position 10	Position 10
11	C/ +A	C/ +A	C/ +A	C/ +A	C/ +V	C/ +V
12	-B	-B	-B	-B	-B	-B
13	N/A	N/A	RST	RST	RST	RST
14	Ind Position 1	Ind Position 1	Ind Position 1	Ind Position 1	Ind Position 1	Ind Position 1
15	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2	Ind Position 2
16	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3	Ind Position 3
17	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4	Ind Position 4
18	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5	Ind Position 5
19	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6	Ind Position 6
20	Ind Position 7	Ind Position 7	Ind COM	Ind COM	Ind Position 7	Ind Position 7
21	Ind Position 8	Ind Position 8	N/A	N/A	Ind Position 8	Ind Position 8
22	Ind Position 9	Ind Position 9	N/A	N/A	Ind Position 9	Ind Position 9
23	Ind Position 10	Ind Position 10	N/A	N/A	Ind Position 10	Ind Position 10
24	Ind COM	Ind COM	N/A	N/A	Ind COM	Ind COM
25	N/A	N/A	N/A	N/A	N/A	N/A

Series: L, M, N, O, Q, QK, S, W