



MATERIAL:  
INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
CONTACT: COPPER ALLOY.  
PLATING: WELDING AREA - SELECTED GOLD OVER NICKEL.  
SOLDER AREA - TIN OVER NICKEL.

ELECTRICAL:  
VOLTAGE RATING: 250 VAC RMS.  
CURRENT RATING: 1 AMP.  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz FOR 1 MINUTE.  
INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.  
CONTACT RESISTANCE: 30 MILLIOHMS MAX AT 1 AMP DC.

MECHANICAL:  
RETENTION FORCE: 400 GRAMS MIN PER CONTACT.  
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.  
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL:  
TEMPERATURE RANGE: -55°C TO +85°C.

Dimension			Dimension		
A	B	C	A	B	C
84	8.64	3.81	127	38	30.23
86	9.91	3.80	229	40	25.10
88	11.18	6.35	3.81	42	32.77
90	12.45	1.60	5.08	44	34.94
12	13.72	8.89	6.35	46	35.33
14	14.99	10.16	7.62	48	36.58
16	16.26	11.43	8.89	50	37.85
18	17.53	12.70	10.16	52	39.12
20	18.80	13.97	11.43	54	40.39
22	20.07	15.24	12.70	56	41.66
24	21.34	16.51	13.97	58	42.93
26	22.61	17.78	15.24	60	44.20
28	23.88	19.05	16.51	62	45.47
30	25.15	20.32	17.78	100	88.60
32	26.42	21.59	19.05	120	90.80
34	27.69	22.86	20.32		
36	28.96	24.13	21.59		

A Side is Front Side of micro:bit  
Need a table for micro:bit to connector  
A40 Gnd  
A?? 3.3v  
Not possible to convert to PCB due to no PCB component

X1 EDGE-80PTH-RA			
A1	A1	B1	B1
A2	A2	B2	B2
A3	A3	B3	B3
A4	A4	B4	B4
A5	A5	B5	B5
A6	A6	B6	B6
A7	A7	B7	B7
A8	A8	B8	B8
A9	A9	B9	B9
A10	A10	B10	B10
A11	A11	B11	B11
A12	A12	B12	B12
A13	A13	B13	B13
A14	A14	B14	B14
A15	A15	B15	B15
A16	A16	B16	B16
A17	A17	B17	B17
A18	A18	B18	B18
A19	A19	B19	B19
A20	A20	B20	B20
A21	A21	B21	B21
A22	A22	B22	B22
A23	A23	B23	B23
A24	A24	B24	B24
A25	A25	B25	B25
A26	A26	B26	B26
A27	A27	B27	B27
A28	A28	B28	B28
A29	A29	B29	B29
A30	A30	B30	B30
A31	A31	B31	B31
A32	A32	B32	B32
A33	A33	B33	B33
A34	A34	B34	B34
A35	A35	B35	B35
A36	A36	B36	B36
A37	A37	B37	B37
A38	A38	B38	B38
A39	A39	B39	B39
A40	A40	B40	B40

