

CONTACT PATTERNS

SEA CON[®] produces thousands of different types of connectors. These connectors range in type from small to big, low cost to expensive, throwaway to repair at all costs. Each connector was developed for a unique set of parameters and environments.

Using the wrong connector for an application can cause severe problems. We should always know where and how the connectors will be used.

Even with the availability of thousands of connectors, we are asked daily if we can make this connector but with a slight modification. One of the most common modifications requested is changing the contact patterns. This request is usually simple and one that can be made easier by referring to the chart on the right. We make approximately 500 different contact patterns (not all for one series), so if the request is close to an existing pattern the answer may be simple. If the request is close to an existing pattern but in a different series, it starts to get more complex. In order to make the question easier to answer, follow the chart.

Example: A customer wants 42#22 in the MICRO MINI-CON series. We know that the MINM has a 37#22 so we find it on the chart and then go to the next larger MICRO MINI-CON connector, thus the MMQ. This will get you in the ballpark very quickly and help the customer determine if the size is acceptable.

There are many other factors that govern the selection of the actual connector type and size, please consult with Engineering before finalizing any quotations to the customer.

PART	FACE	
	PATTERN	LIMITING PART
X/VSA	0.21	HP NOSE
XSB	0.21	HP NOSE
XSC	0.21	HP NOSE
MMG	0.22	CIP
VSH	0.30	HP NOSE
XSF	0.31	HP NOSE
MMK	0.31	CIP
MING	0.37	CIP
VSF	0.38	HP NOSE
MML	0.42	CIP
XSJJ	0.43	CCP-ORNG
XSJ	0.43	CCP-ORNG
MSSG	0.46	CIR
XSG	0.50	HP NOSE
MINK	0.50	CIP
X/VSG	0.50	HP NOSE
XSE	0.52	BCR ORNG
MMM	0.53	CIP
MINL	0.55	CIR
XSEE	0.55	BCR ORNG
MSSK	0.62	CIP
XSL	0.63	CCP ORNG
MMO	0.64	CIP
MINM	0.68	CIP
XSK	0.75	HP NOSE
X/VSK	0.75	HP NOSE
MMQ	0.83	CIP
MINO	0.87	CIP
MSSL	0.87	CIP
MINP	0.99	CIP/CIR
MMS	1.06	CIP
MSSM	1.09	CIR
XSM	1.12	BCR ORNG
MINQ	1.12	CIR
MINR	1.23	CIR
XSQ	1.27	?
MSSO	1.31	CIP
MMV	1.31	CIP
MINS	1.38	?
MINT	1.51	?
MSSP	1.56	CIP
MINU	1.75	CIP
MINX	1.94	?
MSSQ	1.95	CIP
MSSR	1.95	CIP
MSSS	2.62	CIP
MSST	3.00	?
MSSU	3.50	?
MSSV	4.00	?