

.075 Centerline

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Series

075 P.C. Board & Cable Connectors

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Specifications

"F" Series .075" \varnothing

Material and Finish

Molded Insulator: *Glass Filled Polyphenylene Sulfide, Per MIL-M-24519, Type GST-40F.*

Pin Contacts: *Copper Alloy per MIL-C-55302.*

Socket Contacts:

Contacts: *Be Cu per MIL-C-55302.*

Terminal: *Copper Alloy per MIL-C-55302.*

Contact Finish: *Gold Plate per MIL-G-45204. Localized finish per MIL-C-55302.*

Hardware: *Stainless Steel per ASTM-A581 or A582. Passivated per QQ-P-35.*

Guide Sockets,
Polarized *Be Cu per ASTM-B196 or B197. Nickel Plated per QQ-N-290.*

Gasket *Silicone Rubber per ZZ-R-765.*

Tolerance: *Decimals $\pm .010$, Angles $\pm 5^\circ$ unless otherwise specified.*

Connector Marking: *Marking shall meet the requirements of MIL-STD-1285 and MIL-STD-202 method 215 for permanency. Pin numbers indicating every fourth position are marked on the side of the connector.*

Performance

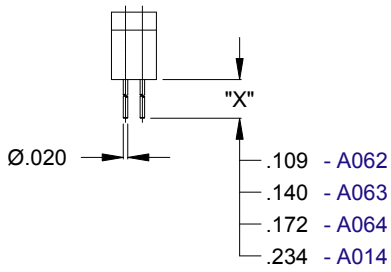
"F" Series .075"

Wire Size:	#24 AWG Stranded
Contact Rating:	3 ampere maximum per contact
Solderability:	Pretinning meets the requirements of MIL-STD-202, Method 208.
Operating Temp:	-65° to +125°C -85° to +257°F

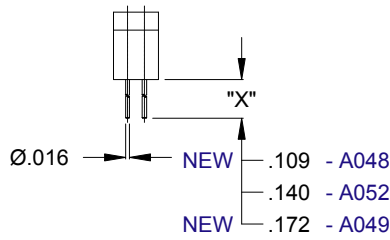
Test	Requirements	Test Method per MIL-STD-1344
Contact Resistance	Will not exceed .020 ohms on individual contact pair with average not to exceed .010 ohms	#3004
Dielectric Withstanding	750 vrms, 60 Hz @ sea level 250 vrms, 60 Hz @ 70,000 feet	#3001
Insulation Resistance	5000 megohms minimum @ 500 VDC	#3003
Durability	500 connector mating cycles	MIL-C-55302 para. 4.7.9
Temperature Cycling	5 (1) hr cycles; -65° to +125°C	#1003
Vibration	10-20000 Hz, 15G Peak	#2005
Salt Spray	5% salt spray @ 95°F for 48 hours	#1001
Shock	100G sawtooth, 6ms	#2004
Humidity	10 days @ 25° to 65°C, 80-98% RH	#1002
Contact Engagement Low Force	4 oz. Maximum with a .0255 dia pin per MS3197-22-Y1	#2014 & MIL-C-55302
Contact Separation Low Force	.5 oz. Minimum with a .0245 dia pin per MS3197-22-X1	#2014 & MIL-C-55302

.075 SERIES 2 ROW CONTACT CODES

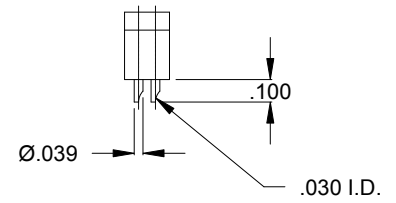
RECEPTACLE



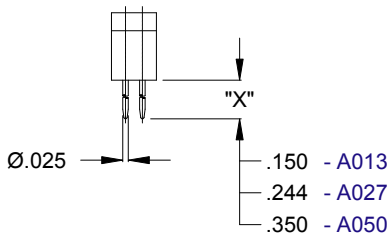
SOLDER DIP



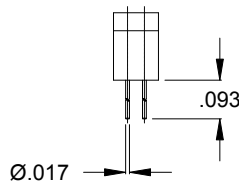
SOLDER DIP



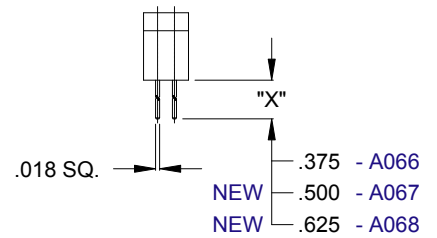
A061
SOLDER CUP



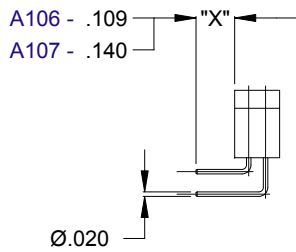
PLUG TERMINATION



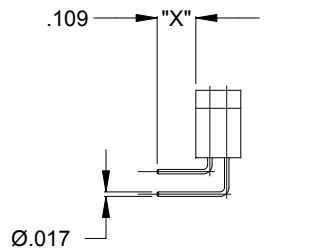
A065
FLEX TERMINATION



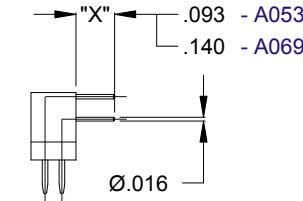
WIRE WRAP



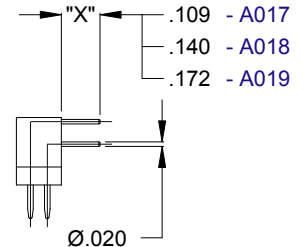
RT ANGLE RECEPTACLE
LOAD & BEND
SOLDER DIP



A114
RT ANGLE RECEPTACLE
LOAD & BEND
SOLDER DIP

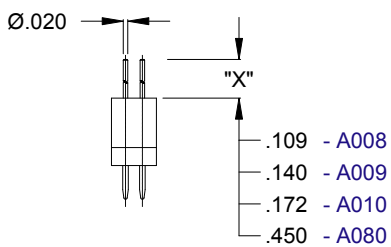


RT ANGLE PLUG
FLEX

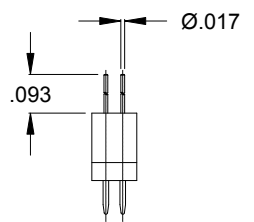


RT ANGLE PLUG
SOLDER DIP

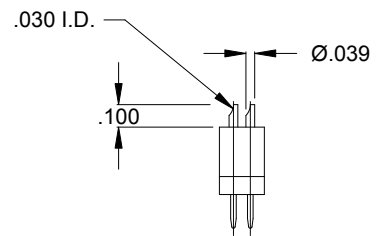
PLUG



SOLDER DIP



A083
FLEX TERMINATION

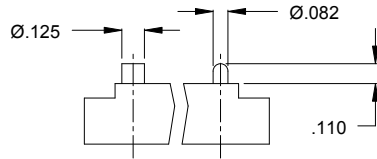


A011
SOLDER CUP

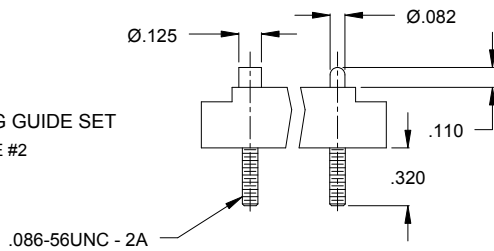
.075 SERIES 2 & 3 ROW HARDWARE CODES

GUIDE SETS

A003 - GUIDE SET
FIGURE #1

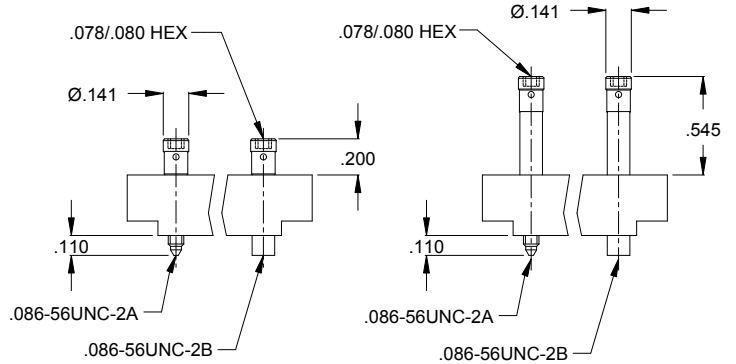


A025 - LONG GUIDE SET
FIGURE #2



CODE	MIL CODE	FIG NO.	HARDWARE DESCRIPTION	MIL APPROVED
A000			NO HARDWARE	
A003	X	1	GUIDE SET	YES
A024		1	GUIDE SET REVERSED	NO
A025		2	LONG GUIDE SET	NO
A029		1	TWO GUIDE PINS	NO
A030		1	TWO GUIDE SOCKETS	NO

TURNING HEX JACKSETS

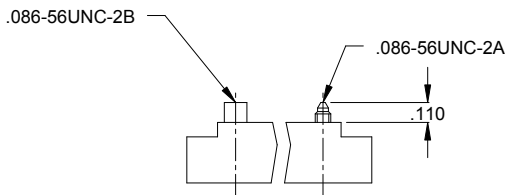


A009 - SHORT TURNING
HEX JACKSET
FIGURE #1

A014 - TURNING HEX JACKSET
FIGURE #2

CODE	MIL CODE	FIG NO.	HARDWARE DESCRIPTION	KNOB LENGTH	MIL APP'D
A000			NO HARDWARE		
A009	S	1	SHORT TURNING HEX JACKSET	.200	YES
A012			SHORT TURNING JACKSET, REVERSED	.200	NO
A014	N	2	TURNING HEX JACKSET	.545	YES
A015			TURNING HEX JACKSET, REVERSED	.545	NO
A032			SHORT TURNING HEX JACKSCREWS (2)	.200	NO

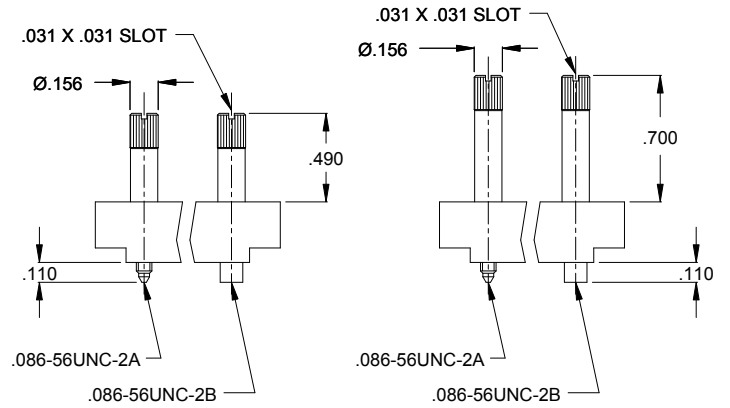
FIXED JACKSETS



A010 - FIXED JACKSET
FIGURE #1

CODE	MIL CODE	FIG NO.	HARDWARE DESCRIPTION	MIL APPROVED
A000			NO HARDWARE	
A002		1	FIXED JACKSET REVERSED	NO
A010	F	1	FIXED JACKSET	YES
A023		1	TWO FIXED JACKSOCKETS	NO
A040		1	TWO FIXED JACKSCREWS	NO

SLOTTED TURNING JACKSETS

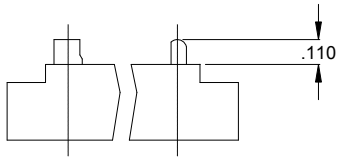


A001 - TURNING SLOTTED
JACKSET
FIGURE #1

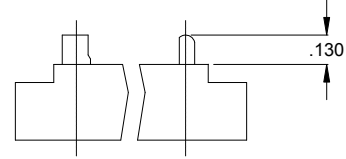
A014 - TURNING SLOTTED
JACKSET
FIGURE #2

CODE	MIL CODE	FIG NO.	HARDWARE DESCRIPTION	KNOB LENGTH	MIL APP'D
A000			NO HARDWARE		
A001	M	1	TURNING SLOTTED JACKSET	.490	
A007		2	TURNING SLOTTED JACKSET, REVERSED	.700	
A011	L	2	TURNING SLOTTED JACKSET	.700	
A013		1	TURNING SLOTTED JACKSET, REVERSED	.490	
A034		1	TURNING SLOTTED JACKSCREWS (2)	.490	
A038		1	TURNING SLOTTED JACKSOCKETS (2)	.490	

.075 SERIES HARDWARE POLARIZATION CODES



2 / 3 ROW POLARIZATION CODE



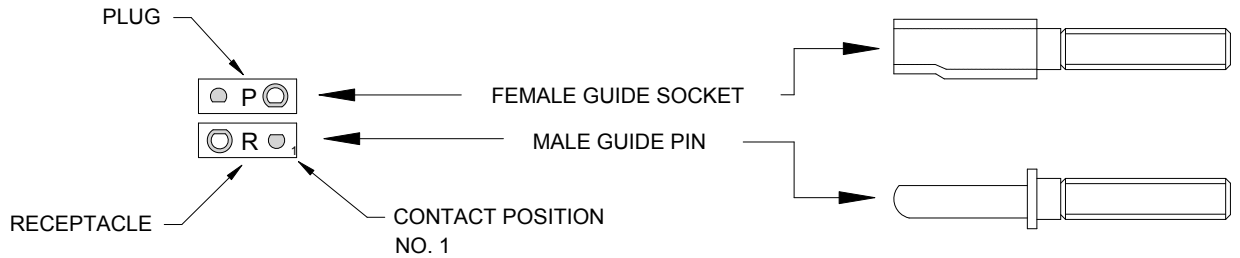
4 ROW POLARIZATION CODE

P2XX - GUIDE SET POLARIZED FOR PLUG
R2XX - GUIDE SET POLARIZED FOR RECEPTACLE

SEE POLARIZATION CONFIGURATION CHART BELOW FOR POLARIZATION CODE

P1XX - GUIDE SET POLARIZED FOR PLUG
R1XX - GUIDE SET POLARIZED FOR RECEPTACLE

SEE POLARIZATION CONFIGURATION CHART BELOW FOR POLARIZATION CODE



01		09		17		25		33		41		49		57	
02		10		18		26		34		42		50		58	
03		11		19		27		35		43		51		59	
04		12		20		28		36		44		52		60	
05		13		21		29		37		45		53		61	
06		14		22		30		38		46		54		62	
07		15		23		31		39		47		55		63	
08		16		24		32		40		48		56		64	

Variations

"F" Series .075" 

Variation	Description
A000	No Variation
AAA	Solder Dip Terminations
AAE	Epoxy Hex Nuts
ACW	Epoxy Hex Nuts and Solder Dip Terminations
ACR	Reverse Marking
ACC	Reverse Marking and Solder Dip Terminations
ACP	Bag Hardware
ACB	Bag Hardware and Solder Dip Terminations

****Consult Factory for Special Variations****

