REV	DESCRIPTION	BY DATE	APPD
R	REVISED SHEET 1 TABLE PER ER21332	PSM 01/21/10	V.B.H.

JF SERIES CONFIGURATOR [1] [5]

SEE SHEET 3 FOR NOTES

FOR SELECTIVE LOADING AND OTHER VARIATIONS
THE LAST FOUR POSITIONS ARE REPLACED BY
A FACTORY ASSIGNED DEVIATION NUMBER AS REQUIRED.

JF ∗ ⬒ ▲ ◪ ◺◺◺ ◐◐◐ ▽ ⬓⬓⬓

STEP 1 SERIES CODE
JF SERIES MINIATURE SIDE MOUNT CONNECTORS

STEP 9 DIP SOLDER CONTACT DESIGNATION (SEE SHEET 2)

STEP 8 VARIATIONS (SEE SHEET 2)

STEP 7 PRIMARY CONTACT DESIGNATION (SEE SHEET 2)
(PRIMARY AND SECONDARY CONTACT LOCATIONS)

STEP 6 CONTACT & PLATING DESIGNATION

[2] STEP 2 PRIMARY CONTACTS

∗ CODE	DESCRIPTION
1	Primary Contact Loaded Per STEP 7
2	Primary Contacts Loaded Per STEP 7
3	Primary Contacts Loaded Per STEP 7
[3] 4	Primary Contacts Loaded Per STEP 7 (4 Position IN-LINE configuration only)

[4] STEP 3 PRIMARY CONTACT AND MOLDING TYPE

⬒ CODE	CONTACT AND MOLD DESCRIPTION
P	Pin
S	Socket

STEP 4 SECONDARY CONTACTS

▲ CODE	DESCRIPTION
1	Secondary Contact Loaded Per STEP 7
2	Secondary Contacts Loaded Per STEP 7
3	Secondary Contacts Loaded Per STEP 7
NONE	Secondary Contacts Loaded Per STEP 7

STEP 5 SECONDARY CONTACT TYPE DESIGNATION

◪ CODE	DESCRIPTION
P	Pin See STEP 7 For Location
S	Socket See STEP 7 For Location
NONE	See STEP 7 For Location Applicable to JF4 Type only. For JF4P◐◐◐ Secondary Type = Socket For JF4S◐◐◐ Secondary Type = Pin

CODE ◺◺◺ TYPES: JF2P JF2P2P JF4P	TYPES: JF∗P∗S JF∗S∗P JF∗S	DIP SOLDER TAIL FINISHES SEE STEP 9	SOLDER CUP & DIP SOLDER CONTACT MATERIAL: SOCKET	PIN	SOLDER CUP TERMINATION: FINISH	SOLDER CUP TERMINATION	SOCKET CONTACT ENTRY OPTION
NONE	NONE	N/A	Phos Bronze C54400	Brass C36000	8µ In. Gold over NI.	Not Filled	Open
N/A	10	N/A	Phos Bronze C51000	↑	50µ In. Gold over NI.	Filled	Closed
11	11	N/A	Phos Bronze C54400		50µ In. Gold over NI.	Filled	Open
N/A	12	N/A	Berylium Cu C17300		50µ In. Gold over NI.	Not Filled	Closed
N/A	27	N/A	Berylium Cu C17300		8µ In. Gold over NI.	Not Filled	Closed
30	30	N/A	Phos Bronze C51000		30µ In. Gold over NI.	Not Filled	Open
N/A	32	8µ In. Gold over NI.	Phos Bronze C51000		8µ In. Gold over NI.	Not Filled	Closed
34	34	100µ In. Gold over NI.	Phos Bronze C51000		100µ In. Gold over NI.	Not Filled	Closed
N/A	45	50µ In. Gold over NI.	Phos Bronze C51000		50µ In. Gold over NI.	Not Filled	Closed
81	81	N/A	Phos Bronze C54400		100µ In. Gold over NI.	Not Filled	Open
95	95	N/A	Phos Bronze C54400		50µ In. Gold over NI.	Not Filled	Open
N/A	112	N/A	Phos Bronze C54400	↓	30µ In. Gold over NI.	Not Filled	Open
N/A	113	N/A	Phos Bronze C54400	Brass C36000	50µ In. Gold over NI.	Not Filled	Open

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±02/0.5
.XXX ±007/0.18
ANGLES ± SCALE: N/A

CUSTOMER DRAWING

DRAWN	DATE	CHECKED	DATE
BONESSI	01/09/95	R.M. BRADLEY	2/21/95
APPROVED	DATE	APPROVED	DATE
V.B. HARRIS	2/21/95	D. REMILLARD	3/1/95

WINCHESTER ELECTRONICS
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

TITLE
JF SERIES,
SIDE MOUNTING, 4 POS. RECTANGULAR,
3/4 IROS. IN-LINE & 2 POS IN-LINE

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REFORMATTED BY FEH 01/09/98

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REV	DESCRIPTION	BY DATE	APP'D
R	REVISED PER ER21332	PSM 01/27/10	V.B.H.

JF SERIES CONFIGURATOR [1] [5]

SEE SHEET 3 FOR NOTES

FOR SELECTIVE LOADING AND OTHER VARIATIONS THE LAST FOUR POSITIONS ARE REPLACED BY A FACTORY ASSIGNED DEVIATION NUMBER AS REQUIRED

JF ✱ ▭ ▲ ◪ △△△ ◐◐◐ ▽ ▬▬▬

STEP 1 SERIES CODE
JF SERIES MINIATURE SIDE MOUNT CONNECTORS

STEP 2 PRIMARY CONTACTS
(SEE SHEET 1)

STEP 3 PRIMARY CONTACT AND MOLDING TYPE
(SEE SHEET 1)

STEP 4 SECONDARY CONTACTS
(SEE SHEET 1)

STEP 5 SECONDARY CONTACT TYPE DESIGNATION
(SEE SHEET 1)

STEP 6 CONTACT & PLATING DESIGNATION
(SEE SHEET 1)

STEP 7 PRIMARY CONTACT DESIGNATION
(PRIMARY AND SECONDARY CONTACT LOCATIONS)

CODE ◐◐◐ PRIMARY CONTACT LOCATION DESIGNATION	QUANTITY OF PRIMARY CONTACTS	LOCATION OF SECONDARY CONTACTS	QUANTITY OF SECONDARY CONTACTS	LOADING OPTIONS USED ON
Blank (No Designation Used) All Positions Loaded	4	None	0	JF4P or JF4S, 4 Position In-Line, And JF2P2P△△△ or JF2S2S△△△ 4 Position Rectangular
	2	None	0	2 Position In-Line Only
A	1	B	1	
B	1	A	1	
A	1	BCD	3	JF✱P▲S△△△◐◐◐ or JF✱S▲P△△△◐◐◐ 4 Position Rectangular and JF4P△△△◐◐◐ or JF4S△△△◐◐◐ 4 Position In-Line
B	1	ACD	3	
C	1	ABD	3	
D	1	ABC	3	
AB	2	CD	2	
AC	2	BD	2	
AD	2	BC	2	
BC	2	AD	2	
BD	2	AC	2	
CD	2	AB	2	
ABC	3	D	1	
ABD	3	C	1	
BCD	3	A	1	
ACD	3	B	1	

STEP 9 DIP SOLDER CONTACT DESIGNATION
FOR PLATING CODES & MATERIAL, SEE STEP 6

▭▭▭ CODE	DIP SOLDER LENGTH ▯
D2	2/32
D3	3/32
D4	4/32
D5	5/32
D6	6/32
D11	11/32
D12	12/32
D13	13/32

STEP 8 VARIATIONS

▽ CODE	DESCRIPTION
D	No Contact I.D. Required on Molding Replace Standard Molding With Molding Without Contact I.D.
R	"Reverse Molding". Replace Standard Molding Required with "Reverse" Molding.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES OR INCHES / MM
TOLERANCES
DECIMALS xx ±02/05 xxx ±007/018
ANGLES ±
SCALE N/A

CUSTOMER DRAWING

DRAWN	DATE	OBJECTED	DATE
BONESS[	01/08/95	R M BRADLEY	2/21/95
APPROVED	DATE	APPROVED	DATE
V.B. HARRIS	2/21/95	D REMILLARD	3/1/95

WINCHESTER ELECTRONICS
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

TITLE
JF SERIES,
SIDE MOUNTING, 4 POS RECTANGULAR,
4 POS. IN-LINE & 2 POS IN-LINE

C	19560	SHT 2 OF 5	REV R

REFORMATTED BY FEH 01/08/96

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REV	DESCRIPTION	BY DATE	APPD
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NOTES: UNLESS OTHERWISE SPECIFIED

1. CATALOG NUMBER CODE: 5
2. FOR THE 4 POSITION RECTANGULAR CONNECTOR STYLE FULLY LOADED WITH ONE CONTACT TYPE. BOTH PRIMARY AND SECONDARY CONTACT TYPE DESIGNATIONS ARE FILLED IN (JF2P2P△△△ OR JF2S2S△△△) AND NO PRIMARY AND SECONDARY CONTACT LOCATION CODE ●●● STEP 7 IS REQUIRED.
3. JF4P OR JF4S DENOTES ONLY THE 4 POSITON IN-LINE CONNECTOR STYLE LOADED PER STEP 7 THIS DESIGNATION IS NOT TO BE USED FOR THE 4 POSITON RECTANGULAR STYLE.
4. THIS DESIGNATION DETERMINES THE TYPE OF MOLDING USED AND THE TYPE OF PRIMARY CONTACTS TO BE INSTALLED.
5. CONSULT SALES FOR CONNECTOR VARIATIONS NOT LISTED

SPECIFICATIONS

MATERIALS

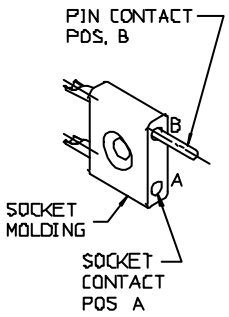
Moldings (Pin & Socket)	Diallyl Orthophthalate Color: Grey
Pin contacts	Brass
Socket contacts	See Configurator

PERFORMANCE CHARACTERISTICS

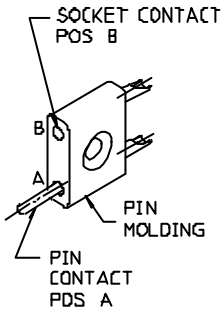
Dielectric withstanding voltage (at sea level)	1500 VAC
Current rating	7.5 AMPS
Operating temperature range	-55°C to +125°C
Termination Type	.048 solder cup to accept #20 AWG stranded wire Ø.025 dip solder pin

TYPICAL CONNECTOR ASSEMBLIES

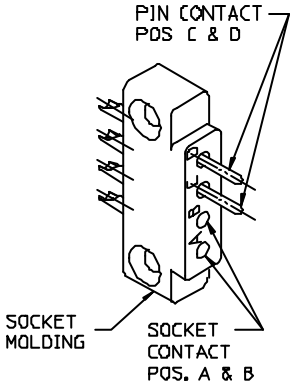
FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2



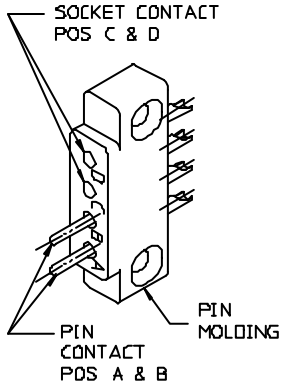
CATALOG Nº JF1S1PA
SHOWN



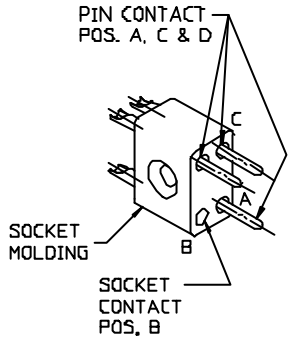
CATALOG Nº JF1P1SA
SHOWN



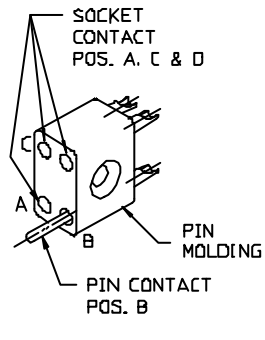
CATALOG Nº JF4SAB
SHOWN



CATALOG Nº JF4PAB
SHOWN



CATALOG Nº JF1S3PB
SHOWN



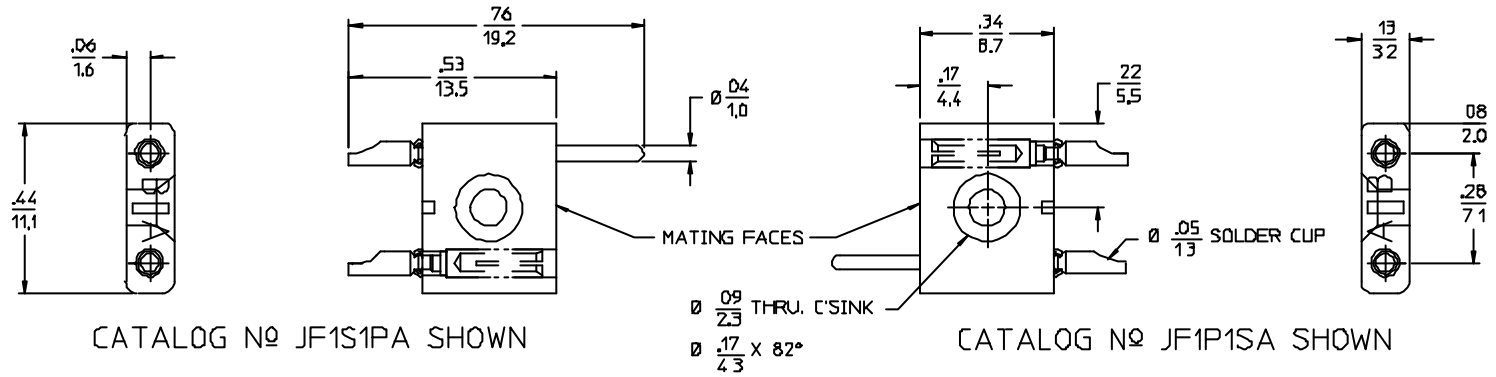
CATALOG Nº JF1P3SB
SHOWN

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES / MM OR INCHES / MM TOLERANCES DECIMALS xx ± .02/0.5 xxx ± .007/0.18 ANGLES ± SCALE: 2/1		WINCHESTER ELECTRONICS Winchester Electronics Corporation 62 Barnes Industrial Road North Wallingford, Connecticut 06492	
CUSTOMER DRAWING		TITLE: JF SERIES, SIDE MOUNTING, 4 POS RECTANGULAR, 4 POS. IN-LINE & 2 POS. IN-LINE	
DRAWN DATE: BONESSI 01/09/95	CHECKED DATE: RM BRADLEY 2/21/95		
APPROVED DATE: V.B. HARRIS 2/21/95	APPROVED DATE: D. REMILLARD 3/1/95	C 19560	SHT. 3 OF 5 REV R

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REV	DESCRIPTION	BY DATE	APPD
R	REVISED PER ER21332	PSM 07/21/10	V.B.H.



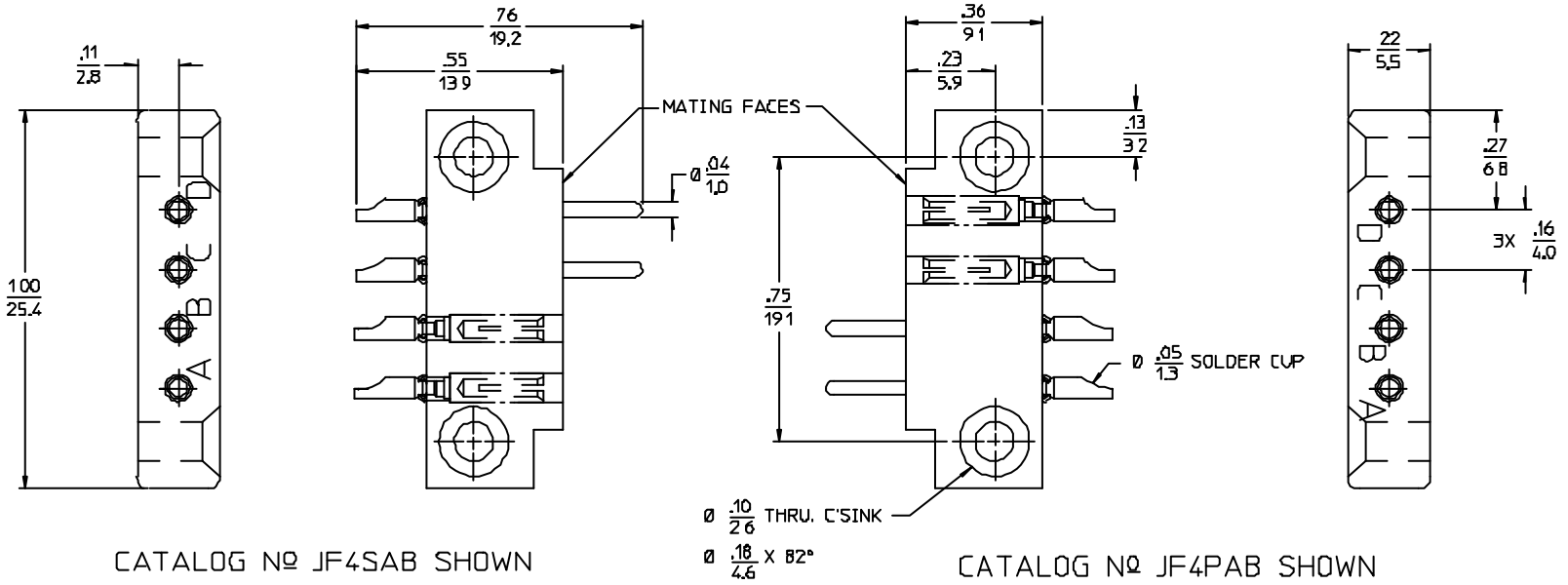
CATALOG Nº JF1S1PA SHOWN

CATALOG Nº JF1P1SA SHOWN

JF SERIES, PIN AND SOCKET, 2 POSITION IN-LINE CONNECTORS

FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2 [5]

DIMENSIONS SHOWN ARE TYPICAL FOR ALL STANDARD 2 POS. IN-LINE CONNECTORS



CATALOG Nº JF4SAB SHOWN

CATALOG Nº JF4PAB SHOWN

JF SERIES, PIN AND SOCKET, 4 POSITION IN-LINE CONNECTORS

FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2 [5]

DIMENSIONS SHOWN ARE TYPICAL FOR ALL STANDARD 4 POS IN-LINE CONNECTORS

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES, MM OR INCHES / MM
TOLERANCES
DECIMALS xx ± .02/0.5
xxx ±.007/0.18
ANGLES ±
SCALE 4:1

WINCHESTER ELECTRONICS
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

TITLE: JF SERIES, SIDE MOUNTING, 4 POS RECTANGULAR, 4 POS. IN-LINE & 2 POS IN-LINE

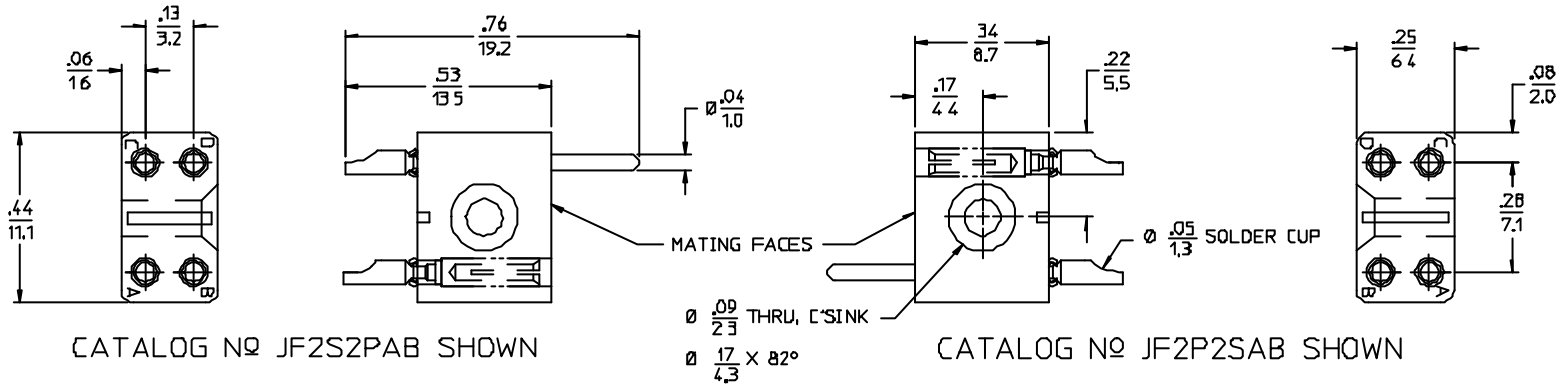
DRAWN	DATE	CHECKED	DATE
BONESSI	01/09/95	RM BRADLEY	2/21/95
APPROVED	DATE	APPROVED	DATE
V.B. HARRIS	2/21/95	D. REMILLARD	3/1/95

C | 19560 | SHT 4 OF 5 | REV. R

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REV	DESCRIPTION	BY / DATE	APPD
R	REVISED PER ER21332	PSM 01/22/10	V.B.H.



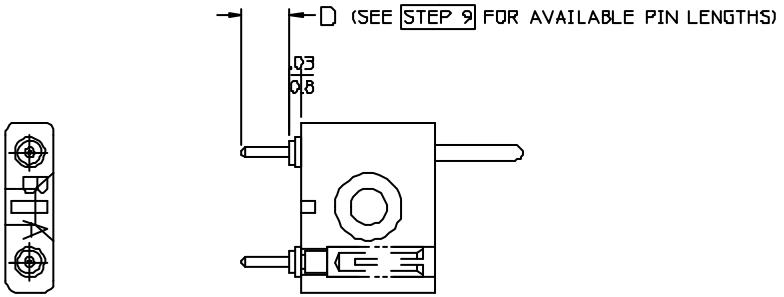
CATALOG Nº JF2S2PAB SHOWN

CATALOG Nº JF2P2SAB SHOWN

JF SERIES, PIN AND SOCKET, 4 POSITION RECTANGULAR CONNECTORS

FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2 [5]

DIMENSIONS SHOWN ARE TYPICAL FOR ALL STANDARD 4 POS RECTANGULAR CONNECTORS



CATALOG Nº JF1S1PD4 SHOWN

TYPICAL JF SERIES CONNECTOR WITH DIP SOLDER TERMINATION

FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2 [5]

DIMENSIONS FOR ALL JF SERIES CONNECTORS WITH DIP SOLDER TERMINATIONS ARE IDENTICAL TO JF SERIES CONNECTORS WITH SOLDER CUP TERMINATIONS EXCEPT FOR DIMENSION SHOWN.

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES / MM OR INCHES / MM
TOLERANCES
DECIMALS xx ± .02/0.5
xxx ± .007/0.18
ANGLES ±
SCALE 4:1

WINCHESTER ELECTRONICS
Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

TITLE: JF SERIES, SIDE MOUNTING, 4 POS RECTANGULAR, 4 POS. IN-LINE & 2 POS. IN-LINE

DRAWN	DATE	CHECKED	DATE
BONESS±	01/09/95	RM BRADLEY	2/21/95
APPROVED	DATE	APPROVED	DATE
V.B. HARRIS	2/21/95	D. REMILLARD	3/1/95

C | 19560 | SHT. 5 OF 5 | REV R

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