

JF SERIES CONFIGURATOR 15

REV	DESCRIPTION	BY DATE	APPRO
R	REVISED SHEET 1 TABLE PER ER21332	PSM 01/22/10	V.B.H.

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.

STEP 1 SERIES CODE
JF SERIES MINIATURE SIDE MOUNT CONNECTORS

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
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

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

CODE	TYPES	DIP SOLDER TAIL FINISHES SEE STEP 9	SOLDER CUP & DIP SOLDER CONTACT MATERIAL		SOLDER CUP TERMINATION		
			SOCKET	PIN	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

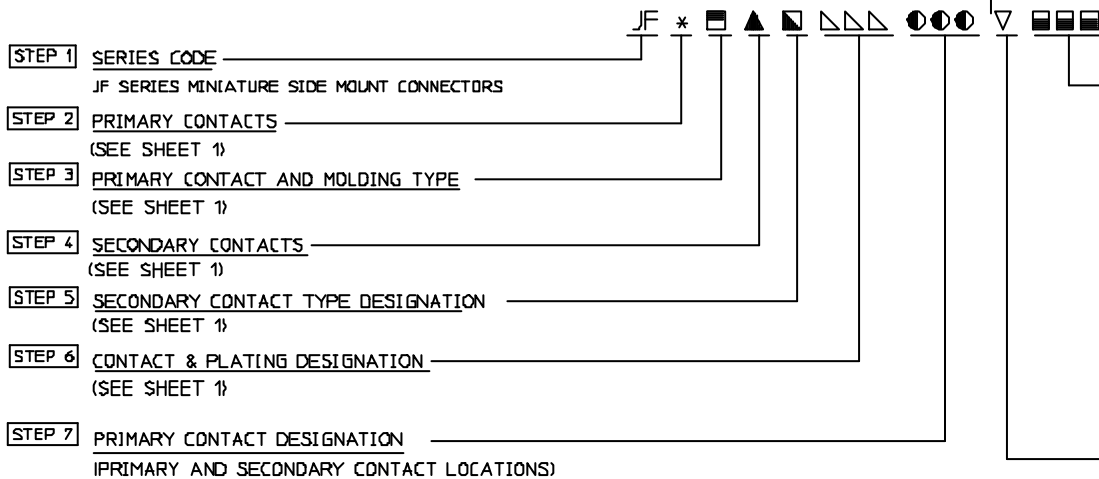
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES, OR INCHES / MM		 Winchester Electronics Corporation 62 Barnes Industrial Road North Wallingford, Connecticut 06492	
TOLERANCES DECIMALS .xx ±02/0.5 xxx .007/0.18 ANGLES ±		SCALE: N/A	
CUSTOMER DRAWING			
DRAWN BONESSI 01/09/95	DATE CHECKED R.M. BRADLEY 2/21/95	DATE	
APPROVED V.B. HARRIS 2/21/95	DATE APPROVED D. REMILLARD 3/1/95	DATE	
C		19560	SHT. 1 OF 5
		REV. R	

REFORMATTED BY FEH 01/09/98

JF SERIES CONFIGURATOR 1 5

SEE SHEET 3 FOR NOTES

REV	DESCRIPTION	DATE	APPD
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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)	4	None	0	JF4P or JF4S, 4 Position In-Line, And JF2P2P444 or JF2S2S444 4 Position Rectangular
All Positions Loaded	2	None	0	
A	1	B	1	2 Position In-Line Only
B	1	A	1	
A	1	BCD	3	
B	1	ACD	3	
C	1	ABD	3	
D	1	ABC	3	
AB	2	CD	2	JF*P4S444 or JF*S4P444
AC	2	BD	2	4 Position Rectangular
AD	2	BC	2	and
BC	2	AD	2	JF4P444 or JF4S444
BD	2	AC	2	4 Position In-Line
CD	2	AB	2	
ABC	3	D	1	
ABD	3	C	1	
BCD	3	A	1	
ACD	3	B	1	

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

STEP 9 DIP SOLDER CONTACT DESIGNATION
FOR PLATING CODES & MATERIAL. SEE **STEP 4**

DIP SOLDER CODE	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
0	No Contact ID Required on Molding Replace Standard Molding with Molding Without Contact ID.
R	"Reverse Molding". Replace Standard Molding Required with "Reverse" Molding.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES OR DECIMALS / IN		 Winchester Electronics Corporation 62 Barnes Industrial Road North Wallingford, Connecticut 06492	
TOLERANCES DECIMALS .XX ±02/05 ANGLES ° XXX 007/0 18 SCALES N/A		CUSTOMER DRAWING	
BUSINESS DATE 01/08/05 BY RM BRADLEY 2/21/95 APPR DATE 2/21/95 BY D REMILLARD 3/1/95		TITLE JF SERIES, SIDE MOUNTING, 4 PDS RECTANGULAR, 4 POS. IN-LINE & 2 PDS IN-LINE	
19560		REV 2 of 5	

REFORMATTED BY PEH 01/08/06

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 (JF2P2P1111 OR JF2S2S1111) AND NO PRIMARY AND SECONDARY CONTACT LOCATION CODE 1111 STEP 7 IS REQUIRED.
- 3 JF4P OR JF4S DENOTES ONLY THE 4 POSITION IN-LINE CONNECTOR STYLE LOADED PER STEP 7 THIS DESIGNATION IS NOT TO BE USED FOR THE 4 POSITION 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

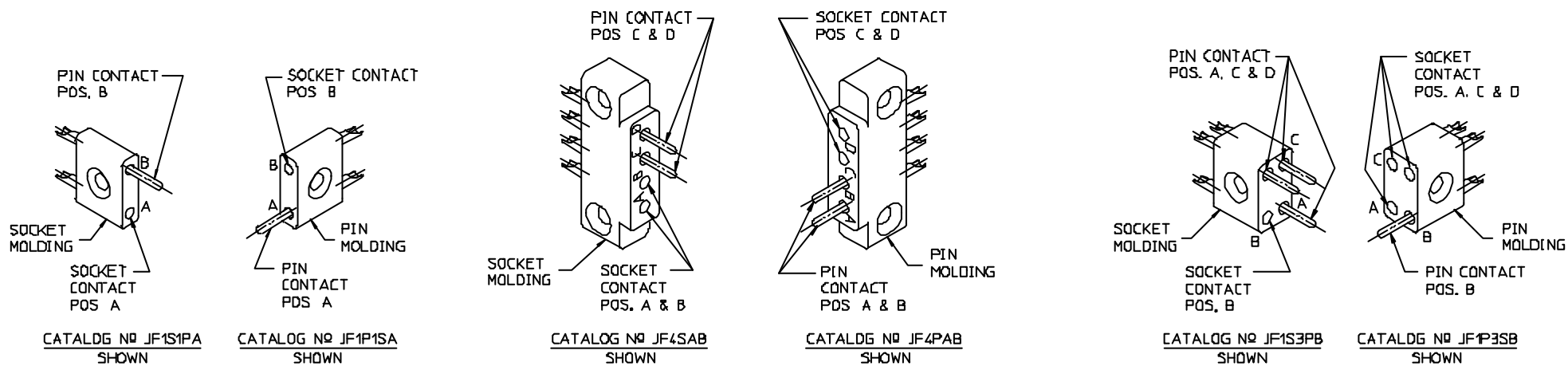
Moldings (Pin & Socket) — Diallyl Orthophthalate
Color: Grey
Pin contacts — Brass
Socket contacts — See Configurator

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
0.025 dip solder pin

TYPICAL CONNECTOR ASSEMBLIES

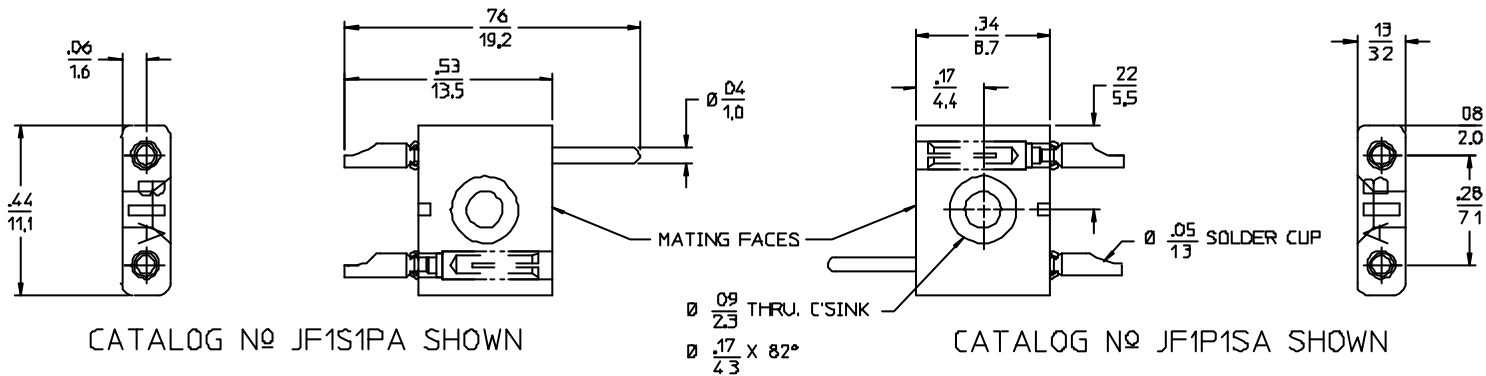
FOR OTHER VARIATIONS, SEE CONFIGURATOR, SHEETS 1 & 2



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TOLERANCES DECIMALS .XX ± .02/D.5 .XXX ± .007/D.16 ANGLES C DECIMALS 21		CUSTOMER DRAWING 	
DRAWN BONESS 01/08/93 DATE 2/21/95		CHECKED RM BRADLEY 2/21/95 DATE 3/1/95	
APPROVED V.J. HARRIS 2/21/95 DATE 3/1/95		TITLE JF SERIES, SIDE MOUNTING, 4 POS RECTANGULAR, 4 POS, IN-LINE & 2 POS, IN-LINE 19560 REV 3 OF 5 R	

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

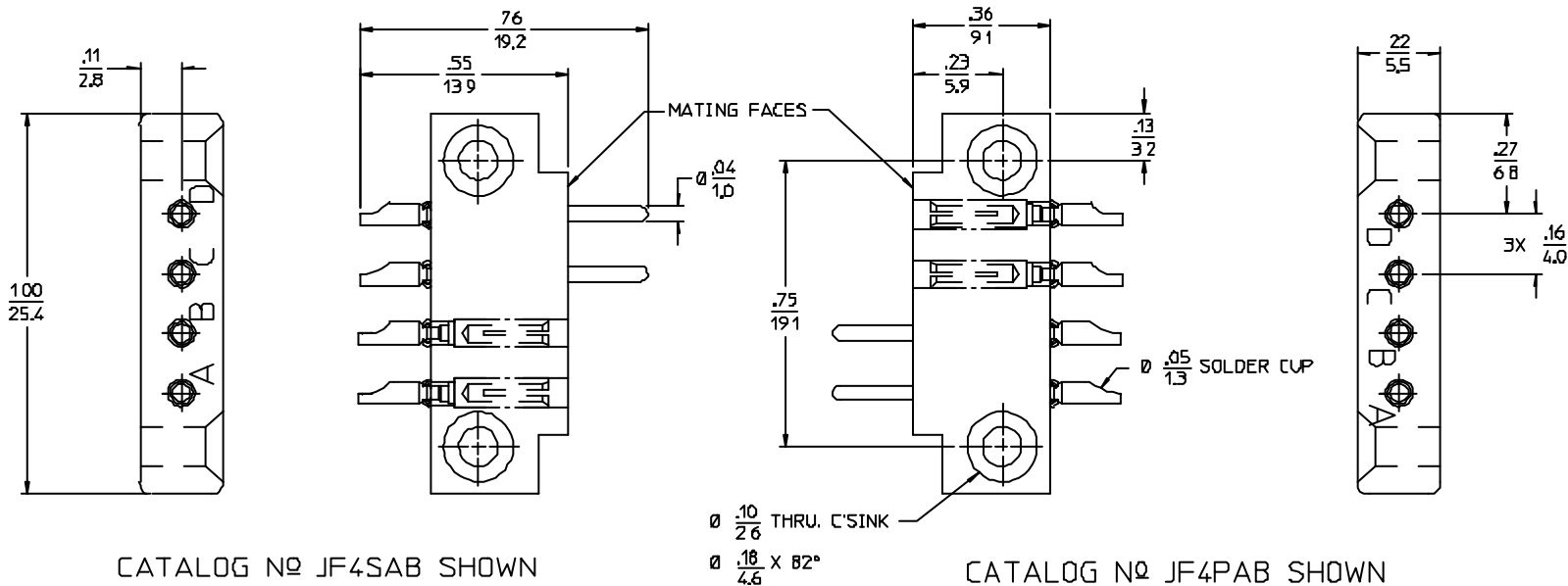


CATALOG NO JF1S1PA SHOWN

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

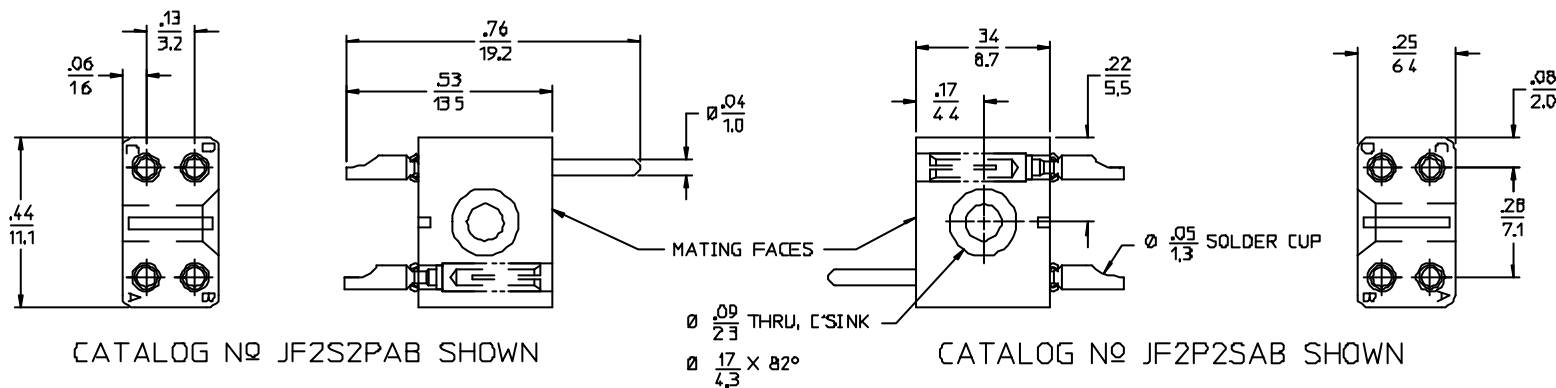
JF SERIES, PIN AND SOCKET, 4 POSITION IN-LINE CONNECTORS

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 TOLERANCES: DECIMALS: .02/.05 .007/.018 ANGLES: 4:1 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: BONESSI 01/09/95 APPROVED: V.B. HARRIS 2/24/95	DATE CHECKED: RM BRADLEY 2/21/95 DATE APPROVED: D. REWILLARD 3/1/05	C 19560	REV: 4 OF 5 R

REFORMATTED BY SAS 3/26/99

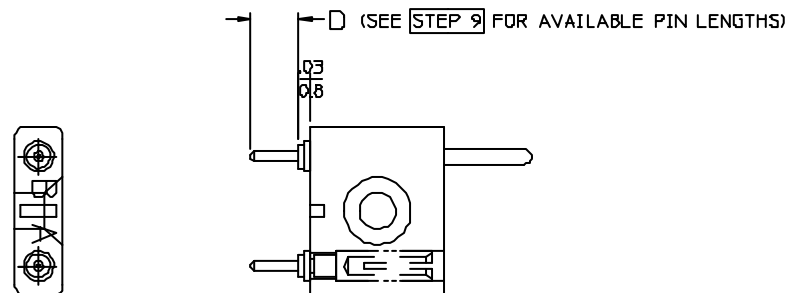
REV	DESCRIPTION	BY	DATE	APPD
R	REVISED PER ER21332	PSM	01/21/10	V.B.H.



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 OR INCHES / MM TOLERANCES DECIMALS XX ± 0.02/0.5 ANGLES XXX ± 0.07/0.18 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 BONESS 01/09/95	DATE CHECKED RM BRADLEY 2/21/95	DATE APPROVED D. REMILLARD 3/1/95	REV 5 OF 5 R
APPROVED V.B. HARRIS 2/21/95		19560	

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