



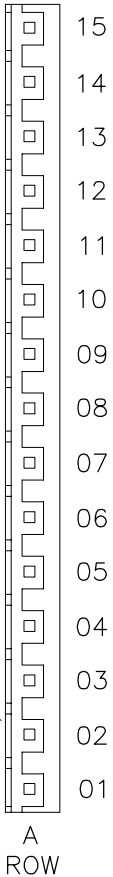
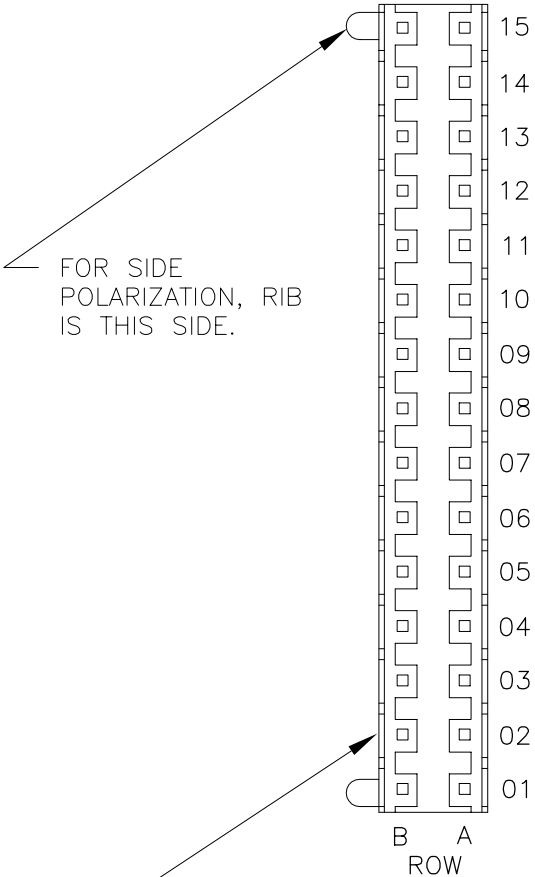
B

1 2

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4

963P
CONTACT
NUMBERING
SYSTEM



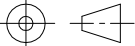
SPECIFICATIONS:

INSULATOR MATERIAL:	30% GLASS-FILLED NYLON 6-12, FLAME RETARDANT
CONTACT BASR MATERIAL:	CA72500
CONTACT PLATING:	70 MICROINCHES MIN OF DGR-156 (DIFFUSED Au IN PdAg)
POINT OF CONTACT FROM INSULATOR FACE:	0.115 (963P AND 963PH) 0.145 (963PX)
PIN STOP FROM INSULATOR FACE:	0.245
RECOMMENDED MATING PIN LENGTH:	0.225+/-0.030
CONTACT WIRE GAUGE:	22-29 GA.
CONTACT WIRE TERMINATION:	OPEN BARREL CRIMP
CONTACT CURRENT:	1.5 A MAX*
CONTACT RESISTANCE:	6 MILLIOHMS TYPICAL
VOLTAGE BREAKDOWN:	1000 VAC
MAXIMUM ALLOWABLE PULL ON WIRE:	4 LBS. MAX AXIAL LOAD ON EACH CONTACT
AVG INSERTION FORCE/RETANTION FORCE PER CONTACT	.3/.2 LBS - 963P .5/.3 LBS - 963PH .65/.45 - 963PX .7/.4 - 963PS
TERMINATION EQUIPMENT	
CRIMP TOOL, HAND, FOR 22-28 GAUGE WIRE:	1000B

*BASED ON 30 DEG. C TEMP RISE, ALL CONTACTS SIMULTANEOUSLY CARRYING SAME CURRENT, FREE CONVECTION COOLING.

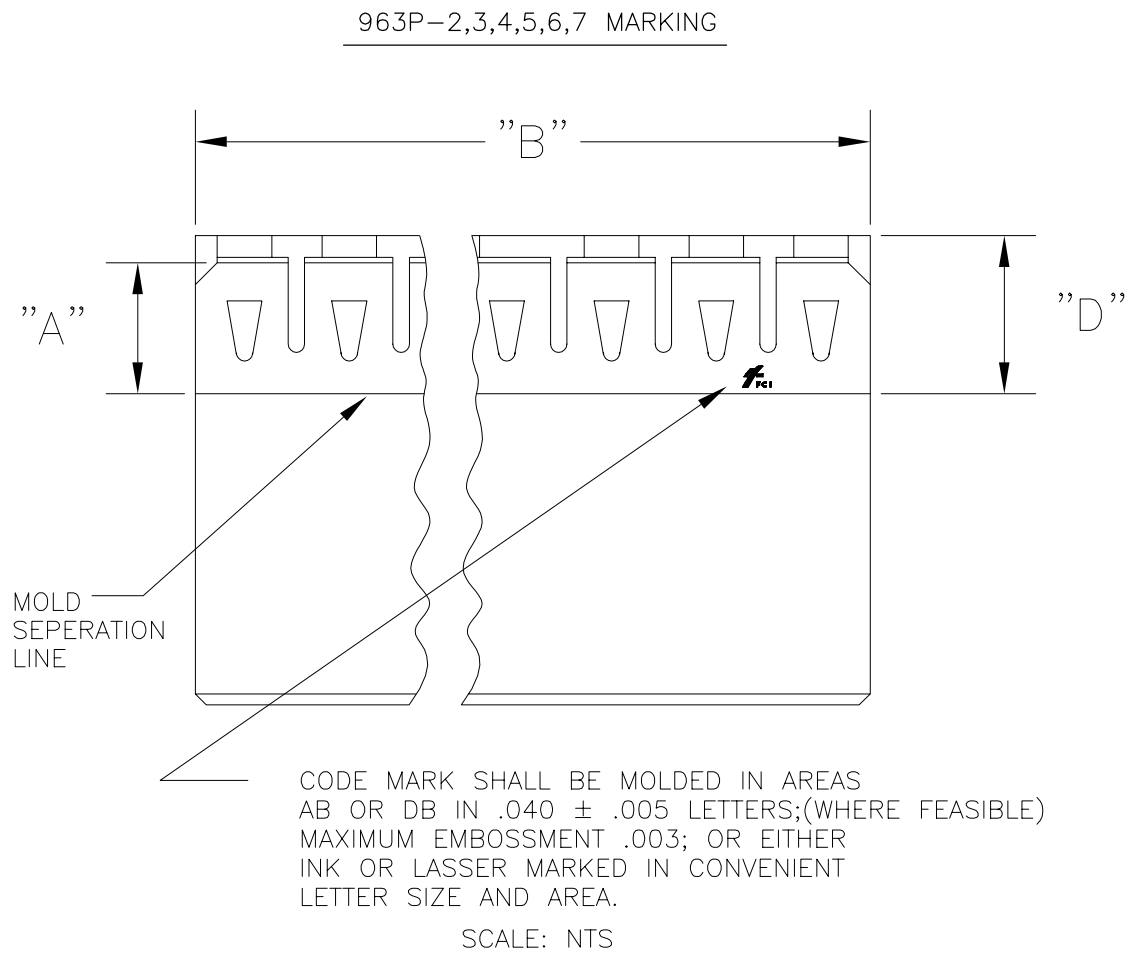
		HOUSING (SEE TABLE)	2
		CONTACT (SEE TABLE)	1
REQ.	IDENT NO.	DESCRIPTION	ITEM
STOCKLIST			

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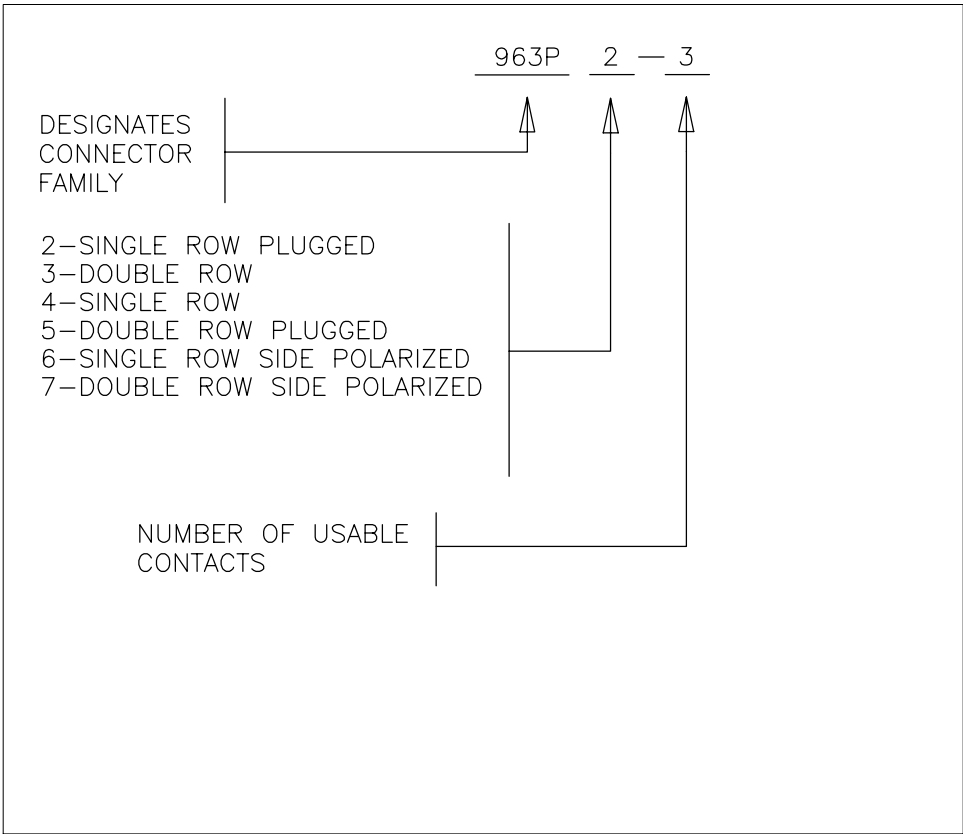
mat'l. code --				tolerances unless otherwise specified						CUSTOMER COPY			 Electronics FCI www.fciconnect.com									
ltr	ecn no	dr	date	linear	XX ±.01						projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS										
A	V20380	CGD	2/25/02		.XXX ±.003							product family FASTECH										
					.XXXX ±.0020							size dwg no										
				angles	0° ±2°						INCH 	code 213										
				dr	C. DAILY			2/25/02				sheet 1 of 7										
				engr	R.CONRAD			2/25/02														
				chr	R.CONRAD			2/25/02			scale 1:1											
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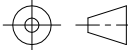
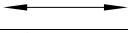
4



963 P
CONNECTOR CODING
SYSTEM
.100" CENTERS



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CONTACT TABLE
963 P CONTACT FAMILY
IDENTIFICATION

	STANDARD	HIGH RETENTION	EXTRA HIGH RETENTION	SOLDER
24 - 27 GAUGE WIRE	 963P * 843939612 ** 845576255	 963PH * 845381235 ** 845576263	 963PX * 845575125 ** 845576271	 963PS * 846288082 ** 845852243
22 GAUGE WIRE	 963P22 * 845380187 ** 845576289	 963PH22 * 845575950 ** 845576297	 963PX22 * 845575968 ** 845576305	
28 GAUGE WIRE	 963P28 * 845856574 ** 845855428			
** LOOSE CONTACTS 500 PCS./BAG		* CONTACTS REELS 20,000/REEL		

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ltr	ecn no	dr	date	linear	.XX ±.01		title			
A					.xxx ±.003		963P CONNECTOR			
					.xxxx ±.0020		ASSEMBLY .100" CENTERS			
				angles	0° ±2°	 INCH scale 1:1	product family FASTECH			
				dr	C. DAILY	2/25/02	code			
				engr	R. CONRAD	2/25/02	size			
				chr	R. CONRAD	2/25/02	A A83KC4169			
				appd	R. CONRAD	2/25/02	sheet			
sheet index	revision sheet									

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PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

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B

963P2
SINGLE ROW PLUGGED

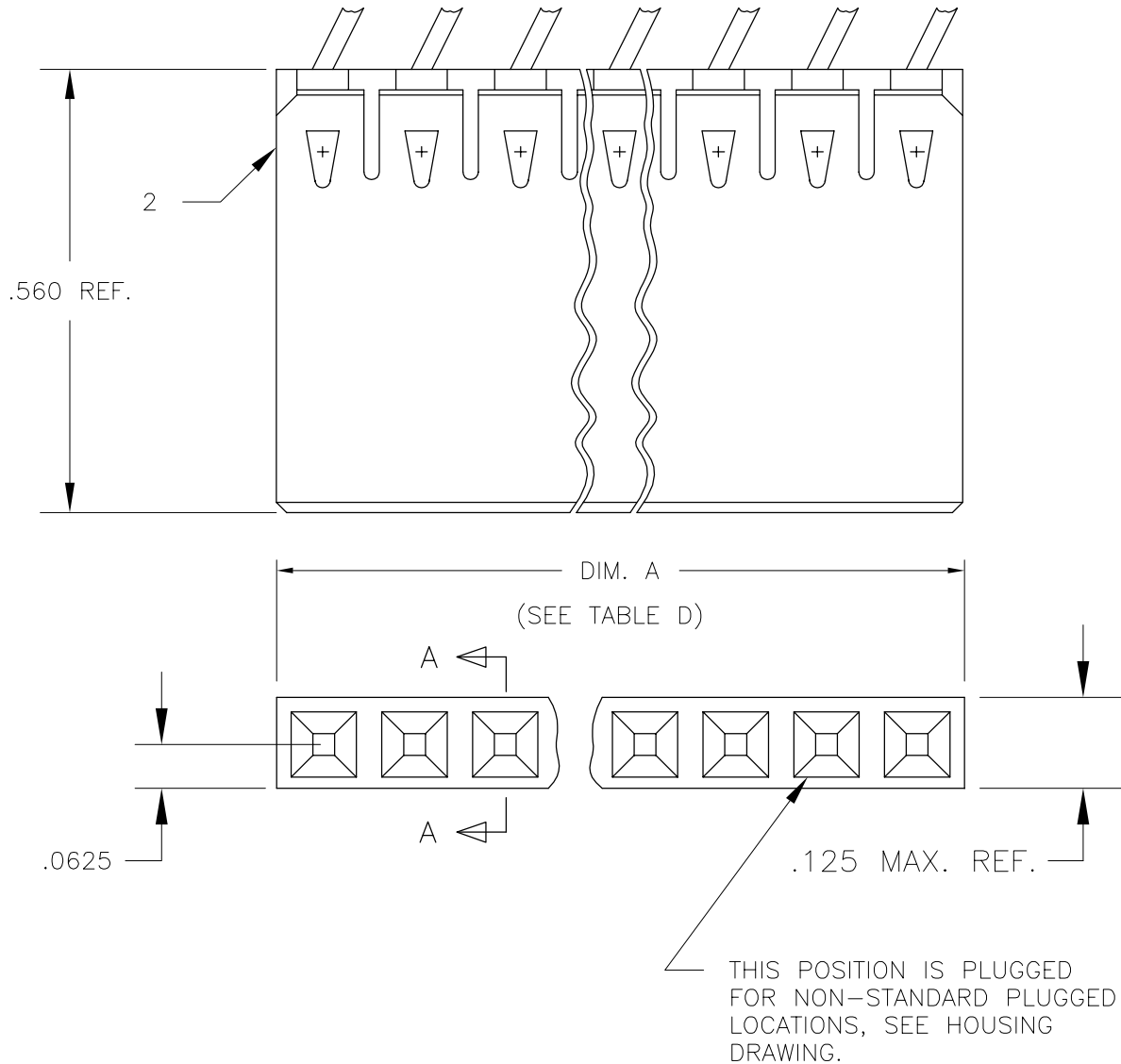
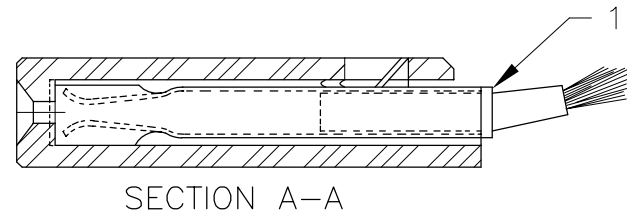


TABLE D

	CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
○	963P2-2	.296	1 X 3	2	844636787	1
	963P2-3	.396	1 X 4	3	844636795	1
	963P2-4	.496	1 X 5	4	844636803	1
○	963P2-5	.596	1 X 6	5	844636811	1
○	963P2-6	.696	1 X 7	6	844636829	1
○	963P2-7	.796	1 X 8	7	844636837	1
○	963P2-8	.896	1 X 9	8	844636845	1
○	963P2-9	.996	1 X 10	9	844636852	1
○	963P2-10	1.096	1 X 11	10	844636860	1
○	963P2-11	1.196	1 X 12	11	844636878	1
○	963P2-12	1.296	1 X 13	12	844636886	1
	963P2-13	1.396	1 X 14	13	844636894	1
○	963P2-14	1.496	1 X 15	14	844636902	1



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ltr	ecn no	dr	date	linear	XX ±.01					
A					.XXX ±.003	projection	title 963P CONNECTOR ASSEMBLY .100" CENTERS			
				angles	.XXXX ±.0020					
				dr	C. DAILY	2/25/02	INCH	product family		code
				engr	R. CONRAD	2/25/02		FASTECH		213
				chr	R. CONRAD	2/25/02	scale	size	dwg no	sheet
				appd	R. CONRAD	2/25/02				
sheet index		revision sheet								

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B

1 2

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963P4
SINGLE ROW

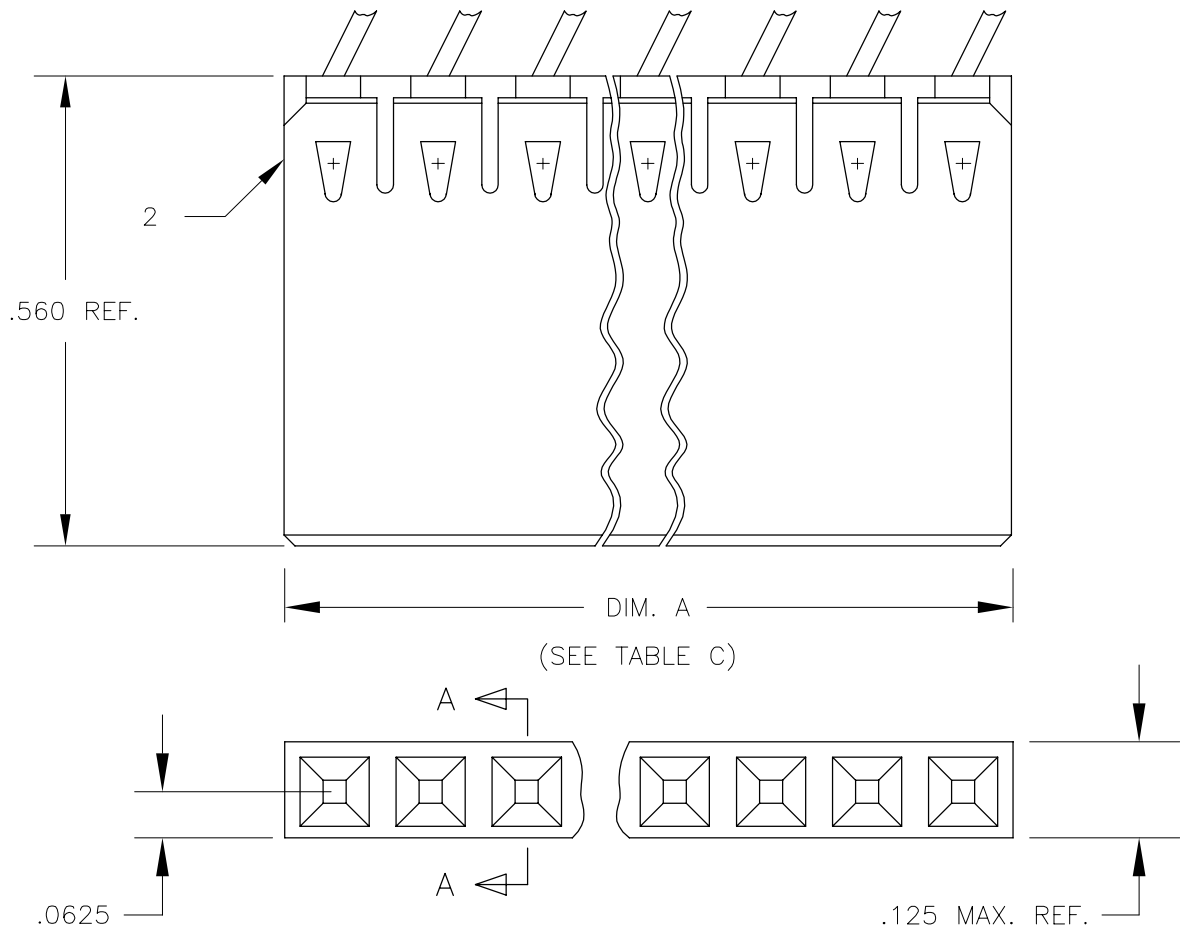
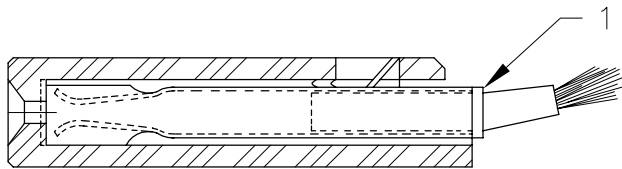


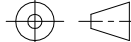
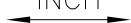
TABLE C

CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
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963P4-2	.196	1 X 2	2	844637173	1
963P4-3	.296	1 X 3	3	844637181	1
963P4-4	.396	1 X 4	4	844637199	1
963P4-5	.496	1 X 5	5	844637207	1
963P4-6	.596	1 X 6	6	844637215	1
963P4-7	.696	1 X 7	7	844637223	1
963P4-8	.796	1 X 8	8	844637231	1
963P4-9	.896	1 X 9	9	844637249	1
963P4-10	.996	1 X 10	10	844637256	1
963P4-11	1.096	1 X 11	11	844637264	1
963P4-12	1.196	1 X 12	12	844637272	1
963P4-13	1.296	1 X 13	13	844637280	1
963P4-14	1.396	1 X 14	14	844637298	1
963P4-15	1.496	1 X 15	15	845074368	1



SECTION A-A

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ltr	ecn no	dr	date	linear	XX ±.01				projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS												
A					.XXX ±.003																	
					.XXXX ±.0020																	
				angles	0° ±2°				 INCH  scale 1:1	product family FASTECH								code 213				
				dr	C. DAILY		2/25/02			A	size								sheet 5 of			
				engr	R. CONRAD		2/25/02				dwg no											
				chr	R. CONRAD		2/25/02				A83KC4169											
				appd	R. CONRAD		2/25/02															
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A

B

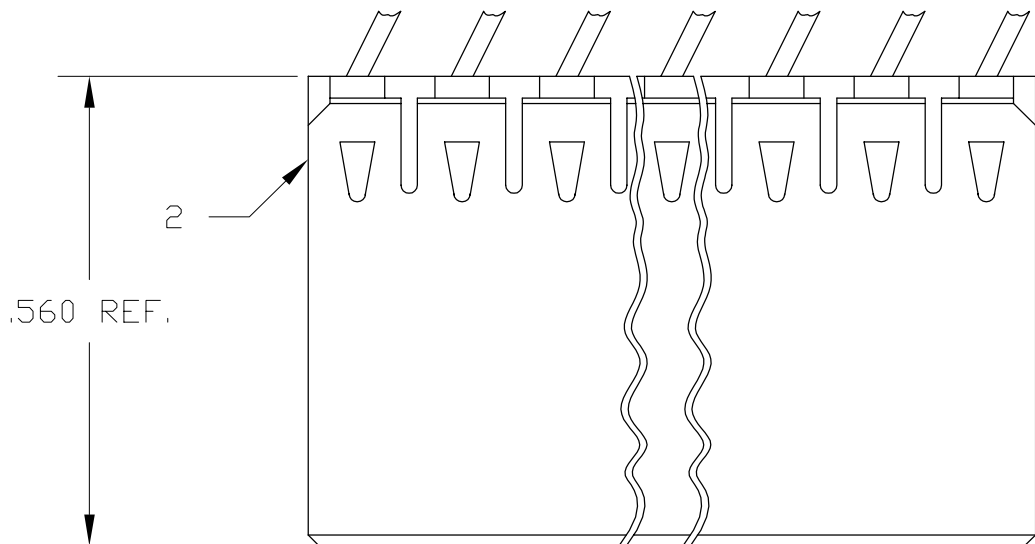
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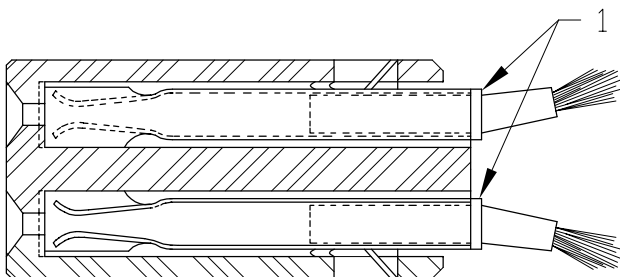
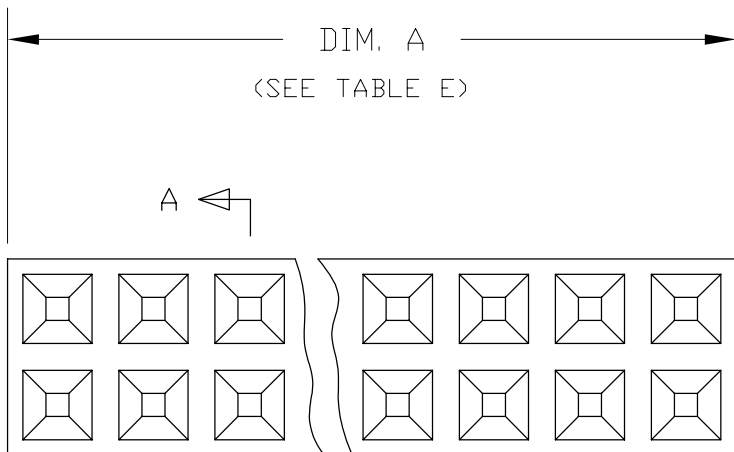
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963P3

DOUBLE ROW



DIM. A
(SEE TABLE E)

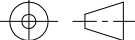


SECTION A-A

TABLE E

CODE SEE NOTE 5	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P3-4	.196	2 X 2	4	844636910	1
963P3-6	.296	2 X 3	6	844636928	1
963P3-8	.396	2 X 4	8	844636936	1
963P3-10	.496	2 X 5	10	844636944	1
963P3-12	.596	2 X 6	12	844636951	1
963P3-14	.696	2 X 7	14	844636969	1
963P3-16	.796	2 X 8	16	844636977	1
963P3-18	.896	2 X 9	18	844636985	1
963P3-20	.996	2 X 10	20	844636993	1
963P3-22	1.096	2 X 11	22	844637009	1
963P3-24	1.196	2 X 12	24	844637017	1
963P3-26	1.296	2 X 13	26	844637025	1
963P3-28	1.396	2 X 14	28	844637033	1
963P3-30	1.496	2 X 15	30	844637041	1
963P3-32	1.596	2 X 16	32	844637058	1
963P3-34	1.696	2 X 17	34	844637066	1
963P3-36	1.796	2 X 18	36	844637074	1
963P3-38	1.896	2 X 19	38	844637082	1
963P3-40	1.996	2 X 20	40	844637090	1
963P3-42	2.096	2 X 21	42	844637108	1
963P3-44	2.196	2 X 22	44	844637116	1
963P3-46	2.296	2 X 23	46	844637124	1
963P3-48	2.396	2 X 24	48	844637132	1
963P3-50	2.496	2 X 25	50	844637140	1

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ltr	ecn no	dr	date	linear	.XX ±.01				projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS									
A					.xxx ±.003														
					.xxxx ±.0020														
				angles	0° ±2°				 INCH scale 1:1	product family FASTECH								code	
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				chr	R. CONRAD		2/25/02												
				appd	R. CONRAD		2/25/02												
sheet index		revision sheet																	

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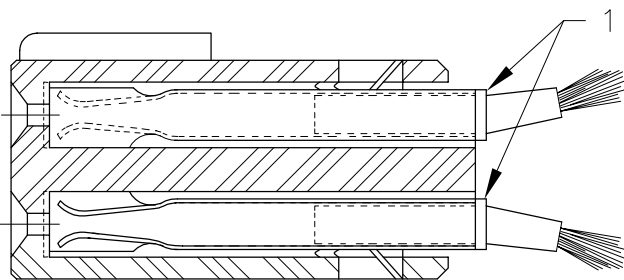
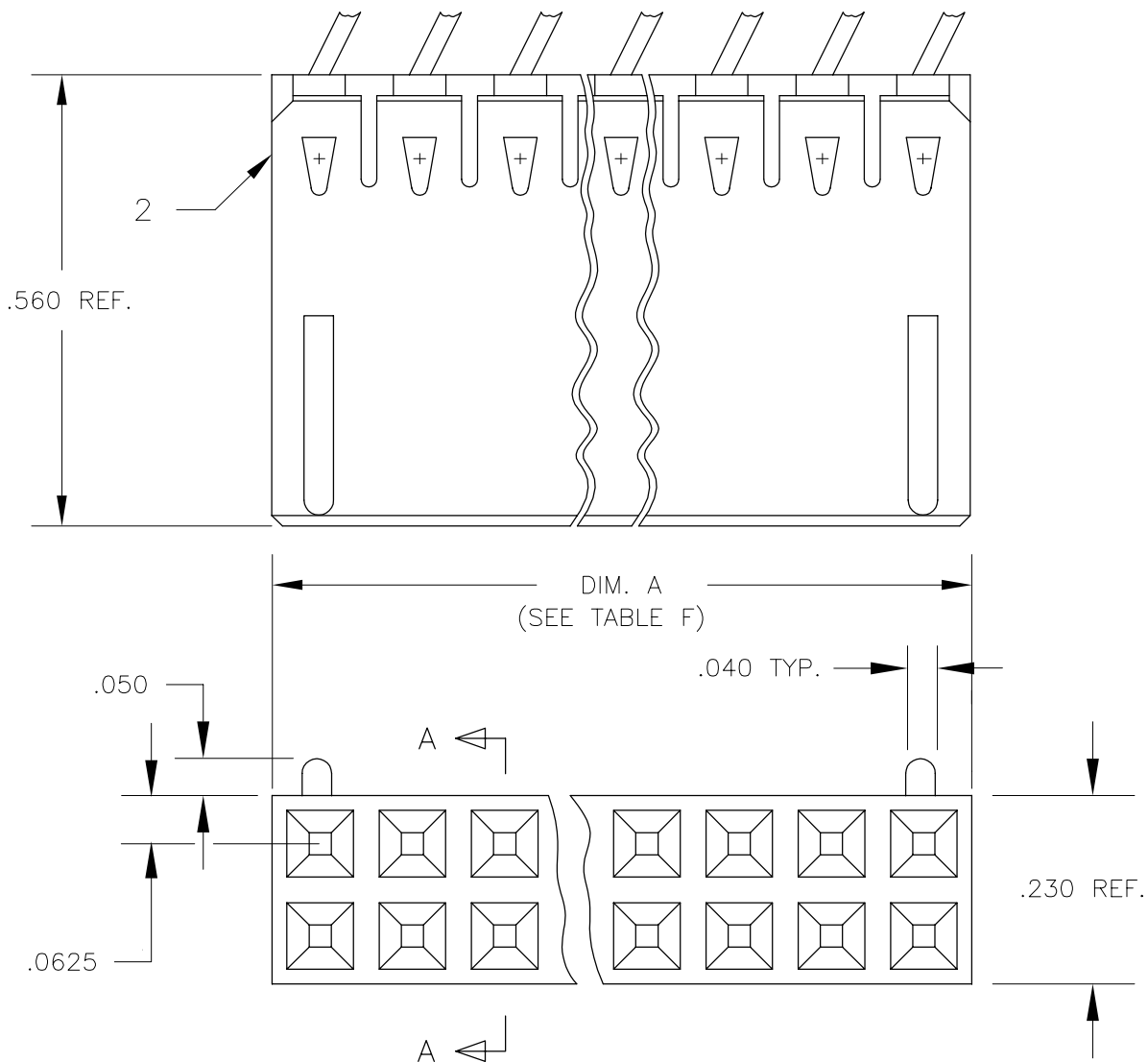
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ACAD

1 | 2

963P7

DOUBLE ROW SIDE POLARIZED



SECTION A-A

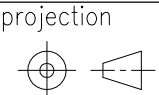
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TABLE F

CODE SEE NOTE 5	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P7-4	.196	2 X 2	4	845075555	1
963P7-6	.296	2 X 3	6	845075563	1
963P7-8	.396	2 X 4	8	845075571	1
963P7-10	.496	2 X 5	10	845075589	1
963P7-12	.596	2 X 6	12	845075597	1
963P7-14	.696	2 X 7	14	845075605	1
963P7-16	.796	2 X 8	16	845075613	1
963P7-18	.896	2 X 9	18	845075621	1
963P7-20	.996	2 X 10	20	845075639	1
963P7-22	1.096	2 X 11	22	845075647	1
963P7-24	1.196	2 X 12	24	845075654	1
963P7-26	1.296	2 X 13	26	845075662	1
963P7-28	1.396	2 X 14	28	845075670	1
963P7-30	1.496	2 X 15	30	845075688	1
963P7-32	1.596	2 X 16	32	845075696	1
963P7-34	1.696	2 X 17	34	845075704	1
963P7-36	1.796	2 X 18	36	845075712	1
963P7-38	1.896	2 X 19	38	845075720	1
963P7-40	1.996	2 X 20	40	845075738	1
963P7-42	2.096	2 X 21	42	845075746	1
963P7-44	2.196	2 X 22	44	845075753	1
963P7-46	2.296	2 X 23	46	845075761	1
963P7-48	2.396	2 X 24	48	845075779	1
963P7-50	2.496	2 X 25	50	845075787	1

CUSTOMER
COPY



INCH

scale
1:1

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Electronics

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title
963P CONNECTOR
ASSEMBLY .100" CENTERS

product family FASTECH

size dwg no

A A83KC4169

code

213

sheet
7 of

cage code
22526

4

PDM: Rev:A STATUS: Released

B

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Printed: Jul 24, 2003