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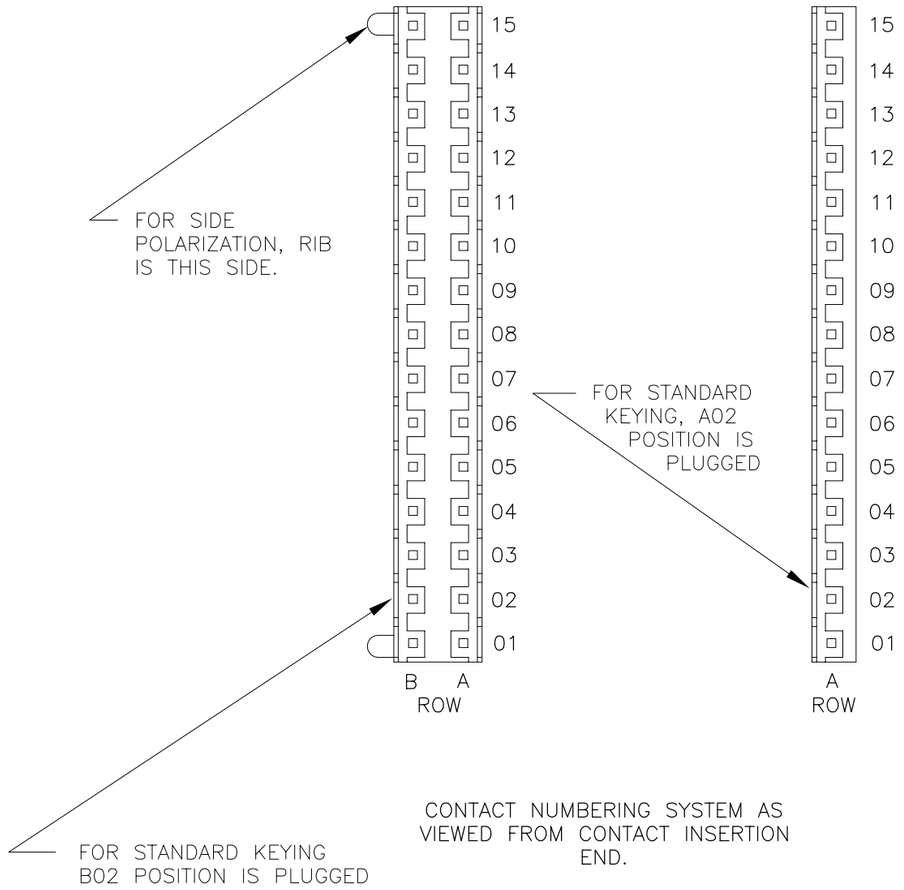
963P CONTACT NUMBERING SYSTEM



CONTACT NUMBERING SYSTEM AS VIEWED FROM CONTACT INSERTION END.

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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| | | |

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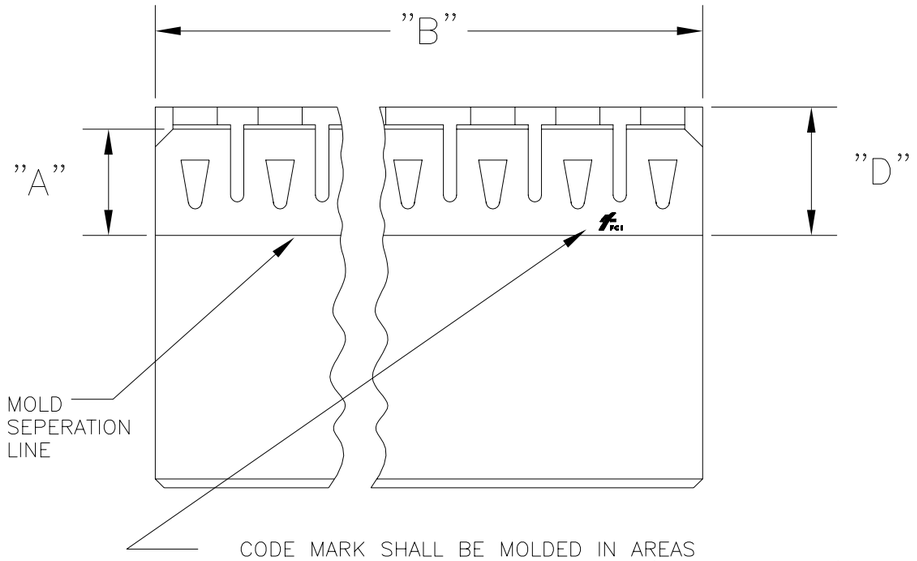
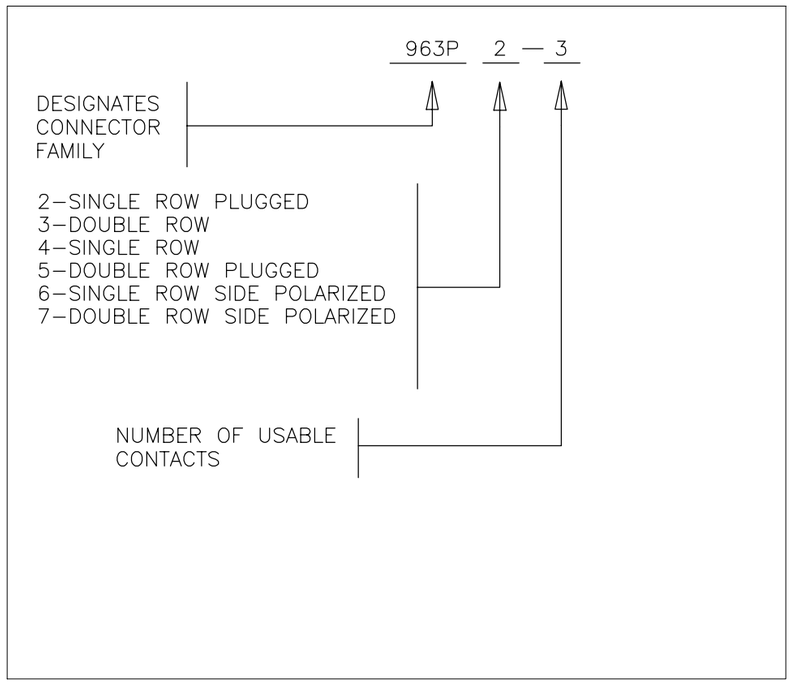
963P–2,3,4,5,6,7 MARKING



CODE MARK SHALL BE MOLDED IN AREAS
AB OR DB IN .040 ± .005 LETTERS;(WHERE FEASIBLE)
MAXIMUM EMBOSSMENT .003; OR EITHER
INK OR LASSER MARKED IN CONVENIENT
LETTER SIZE AND AREA.

SCALE: NTS

963 P
CONNECTOR CODING
SYSTEM
.100" CENTERS



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

cage code 22526

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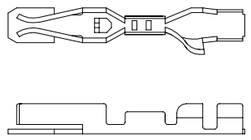
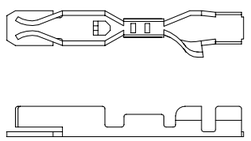
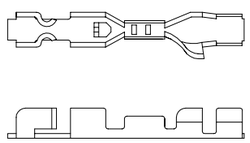
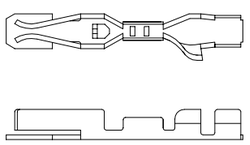
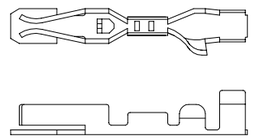
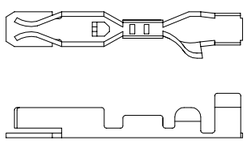
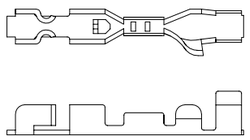
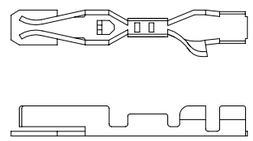
CONTACT TABLE
963 P CONTACT FAMILY
IDENTIFICATION

	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		projection	title	
A					.XXX ±.003			963P CONNECTOR ASSEMBLY .100" CENTERS	
					.XXXX ±.0020				
				angles	0° ±2°				
				dr	C. DAILY	2/25/02	INCH	product family FASTECH	code 213
				engr	R. CONRAD	2/25/02		size A dwg no A83KC4169	sheet 3 of
				chr	R. CONRAD	2/25/02	scale 1:1		
				appd	R. CONRAD	2/25/02			
sheet index	revision sheet							cage code 22526	

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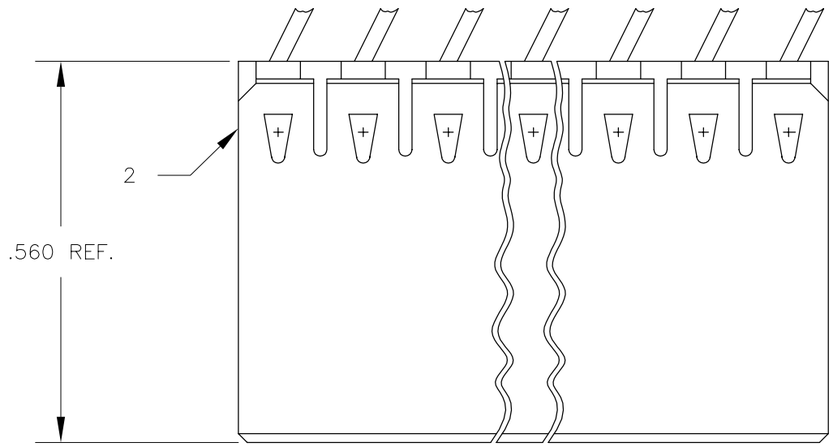
963P2

SINGLE ROW PLUGGED



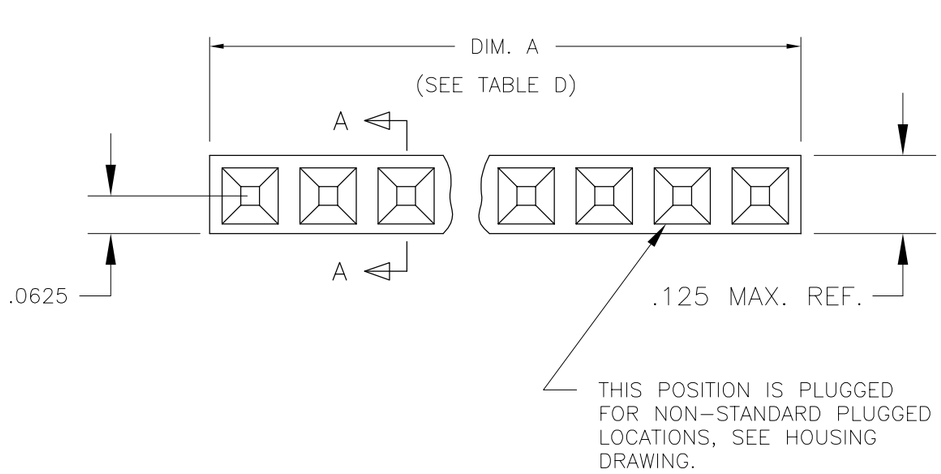
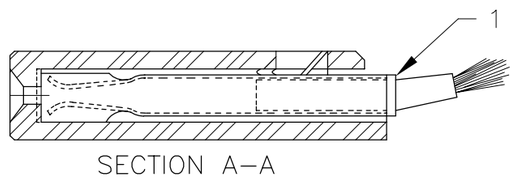


TABLE D

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		.XXX ±.003		projection	title	
A					.XXXX ±.0020			963P CONNECTOR ASSEMBLY .100" CENTERS	
				angles	0° ±2°				
				dr	C. DAILY	2/25/02	INCH	product family FASTECH	code 213
				engr	R. CONRAD	2/25/02		size A dwg no A83KC4169	sheet 4 of
				chr	R. CONRAD	2/25/02	scale 1:1		
				appd	R. CONRAD	2/25/02			
sheet index	revision sheet								

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963P4
SINGLE ROW

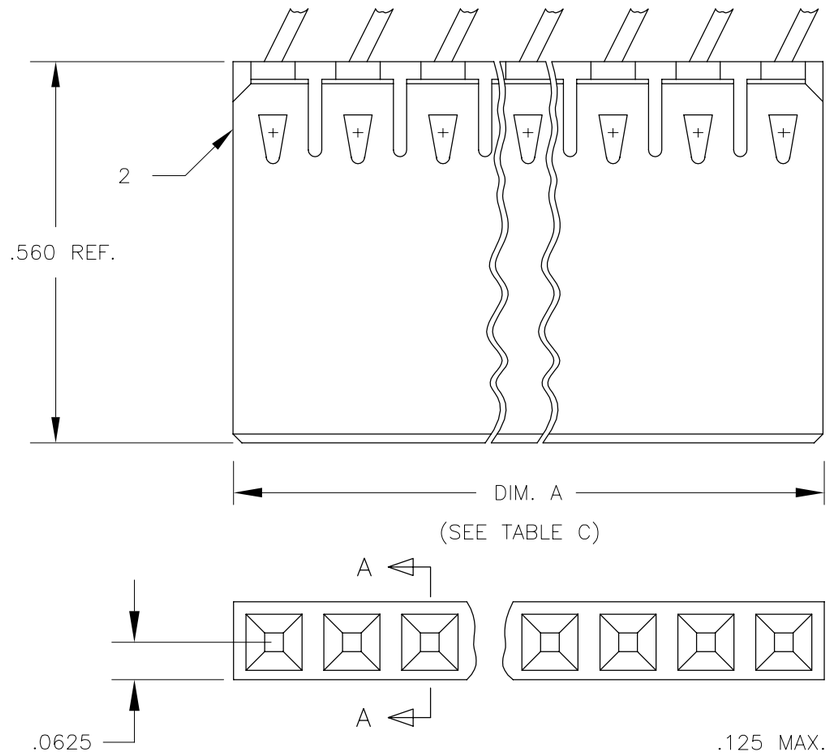
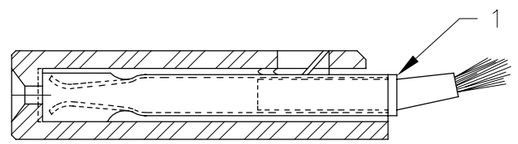


TABLE C

CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P4-1	.096	1 X 1	1	844637165	1
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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A					.XXX ±.003		projection	title	
					.XXXX ±.0020			963P CONNECTOR ASSEMBLY .100" CENTERS	
				angles	0° ±2°				
				dr	C. DAILY	2/25/02	INCH	product family FASTECH	code 213
				engr	R. CONRAD	2/25/02		size A / dwg no A83KC4169	
				chr	R. CONRAD	2/25/02	scale 1:1		sheet 5 of
				appd	R. CONRAD	2/25/02			
sheet index	revision sheet							cage code 22526	

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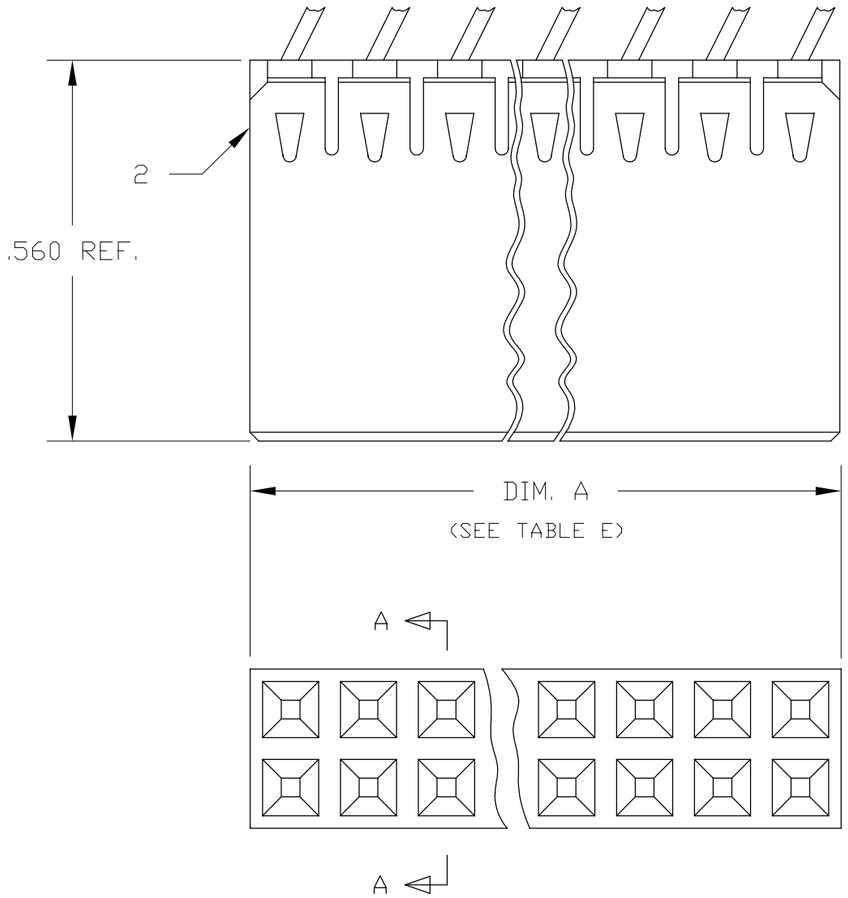
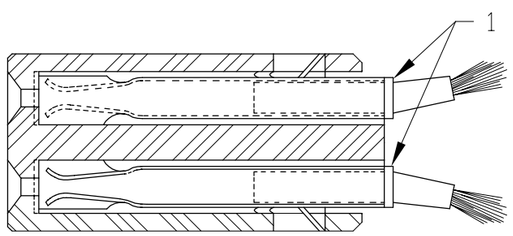
963P3

DOUBLE ROW





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		.XXX ±.003			963P CONNECTOR ASSEMBLY .100" CENTERS	
A					.XXXX ±.0020				
				angles	0° ±2°				
				dr	C. DAILY	2/25/02	INCH	product family FASTECH	code 213
				engr	R. CONRAD	2/25/02		size dwg no	
				chr	R. CONRAD	2/25/02	scale 1:1	A A83KC4169	sheet 6 of
				appd	R. CONRAD	2/25/02			
sheet index	revision sheet								

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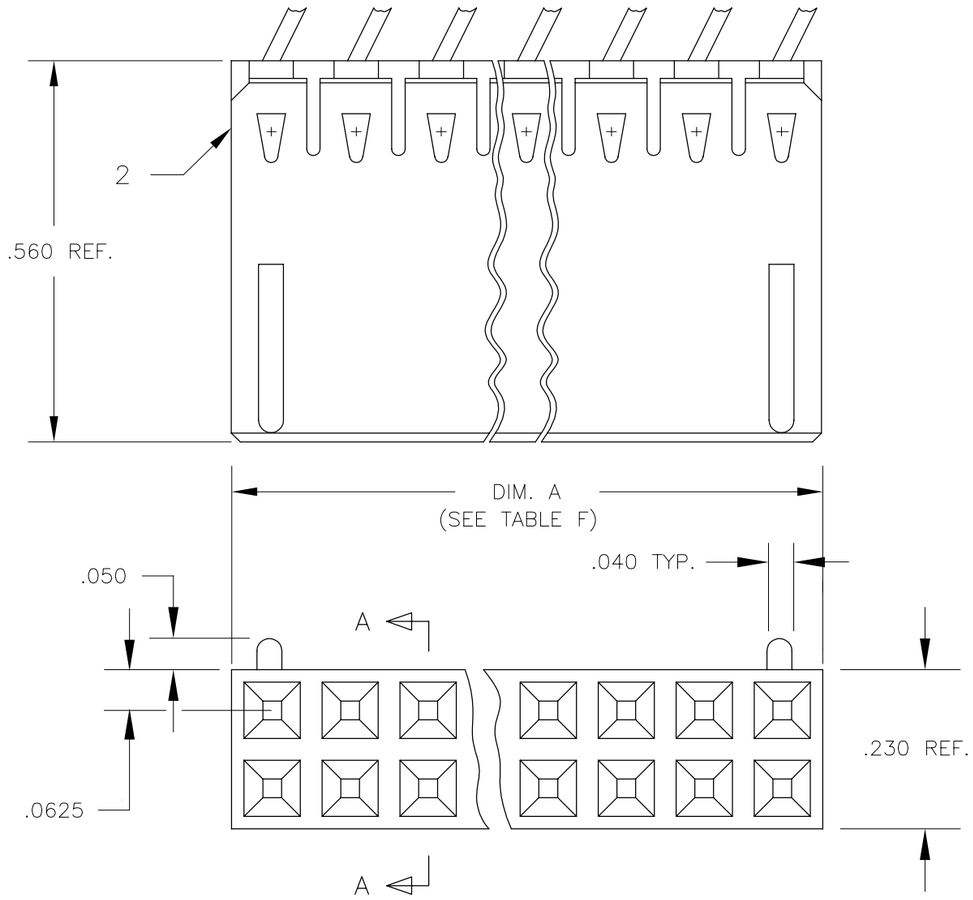
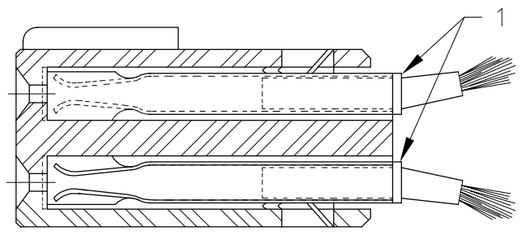
963P7

DOUBLE ROW SIDE POLARIZED





SECTION A–A

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~~

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				appd	R. CONRAD	2/25/02			
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