

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022281048](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle, with Friction Lock, 4 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, with Backwalls Removed

Documents:

- | | |
|---|--|
| 3D Model | Product Specification PS-10-07 (PDF) |
| Packaging Specification (PDF) | RoHS Certificate of Compliance (PDF) |
| Drawing (PDF) | |

Agency Certification

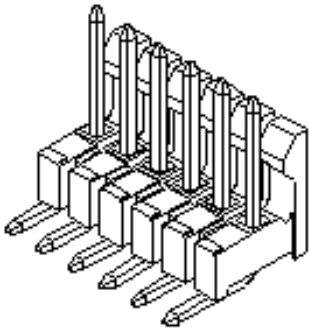
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42228
Application	Wire-to-Board
Comments	Backwalls Removed
Product Name	KK®

Physical

Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole



Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[42228Series](#)

Mates With
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info

Old Part Number	42228-0284
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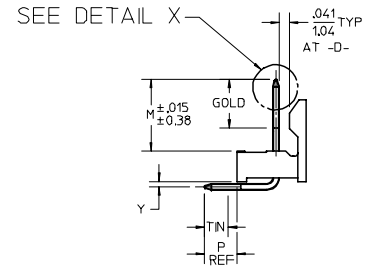
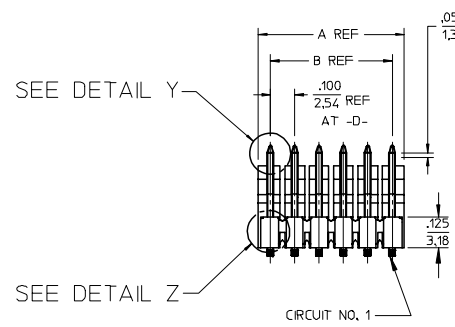
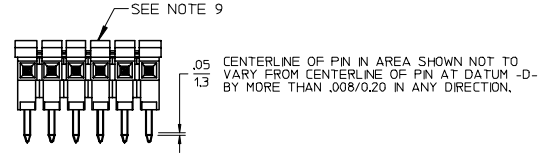
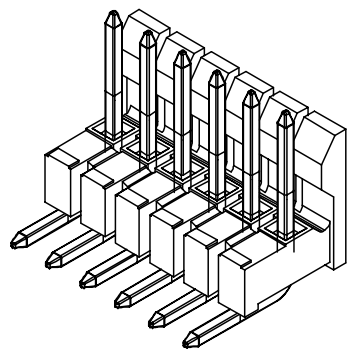
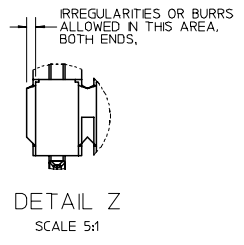
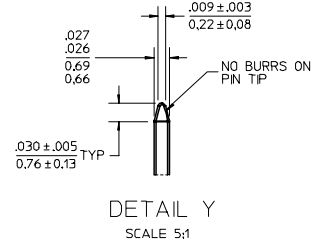
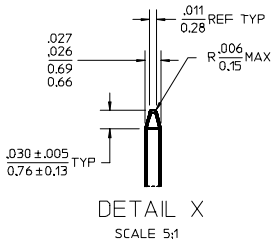
Reference - Drawing Numbers

Product Specification	PS-10-07
Sales Drawing	SD-42228-001, SD-42228-002

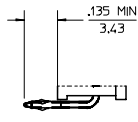
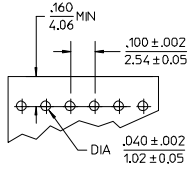
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

CKTS	DM A	DM B
2	.200/5.08	.100/2.54
3	.300/7.62	.200/5.08
4	.400/10.16	.300/7.62
5	.500/12.70	.400/10.16
6	.600/15.24	.500/12.70
7	.700/17.78	.600/15.24
8	.800/20.32	.700/17.78
9	.900/22.86	.800/20.32
10	1.000/25.40	.900/22.86
11	1.100/27.94	1.000/25.40
12	1.200/30.48	1.100/27.94
13	1.300/33.02	1.200/30.48
14	1.400/35.56	1.300/33.02
15	1.500/38.10	1.400/35.56
16	1.600/40.64	1.500/38.10
17	1.700/43.18	1.600/40.64
18	1.800/45.72	1.700/43.18
19	1.900/48.26	1.800/45.72
20	2.000/50.80	1.900/48.26
21	2.100/53.34	2.000/50.80
22	2.200/55.88	2.100/53.34
23	2.300/58.42	2.200/55.88
24	2.400/60.96	2.300/58.42
25	2.500/63.50	2.400/60.96
26	2.600/66.04	2.500/63.50
27	2.700/68.58	2.600/66.04
28	2.800/71.12	2.700/68.58
29	2.900/73.66	2.800/71.12
30	3.000/76.20	2.900/73.66
31	3.100/78.74	3.000/76.20
32	3.200/81.28	3.100/78.74
33	3.300/83.82	3.200/81.28
34	3.400/86.36	3.300/83.82
35	3.500/88.90	3.400/86.36
36	3.600/91.44	3.500/88.90



NOTES:
1. MATERIAL: GLASS FILLED NYLON, 94V-0, COLOR: BLACK
2. FINISH:
(154) *OVERALL TIN: .000100/0.00254 MIN.
OVER .000050/0.00127 MIN NICKEL.
(208) SELECT GOLD: .000015/0.00038 MIN.
*SELECT TIN: .000100/0.00254 MIN.
OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
(228) SELECT GOLD: .000030/0.00076 MIN.
*SELECT TIN: .000100/0.00254 MIN.
OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
*THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV
ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING
3. PRODUCT SPECIFICATION: PS-10-07.
4. PACKAGING INFORMATION: SEE TABLES
5. KINK PIN SPECIFICATION: SEE SMES-42003
6. HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.
7. SOLDERABILITY PER SMES-152.
8. PIN PUSH OUT FORCE: 3 LBS. MIN.
9. ABRASION MARKS ON BACK WALL SURFACE ARE PERMISSIBLE.

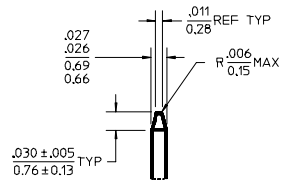
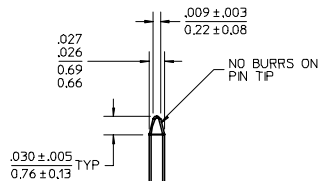
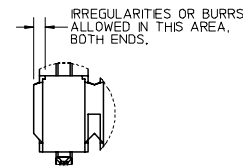
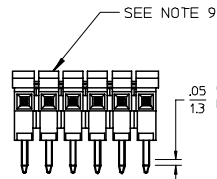
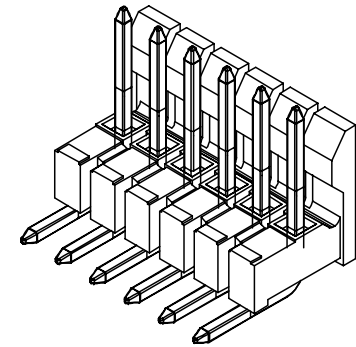


RECOMMENDED PC BOARD LAYOUT

KINKED PIN DETAIL
SEE NOTE 5

ADD NOTE 9 EC NO: UCP2006-1710 DRAWN:ADERR CHKD:LSCHMI DT APPR:FSM TH 2006/02/01 2006/02/02 2006/02/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
					DRAWN BY DATE		TITLE .100 FRICTION LOCK BREAKAWAY HEADER ASSY			
					JSCHAFFER 2004/03/18					
					CHECKED BY DATE					
					KSAMIEC 2004/03/18		MOLEX MOLEX INCORPORATED			
					APPROVED BY DATE					
					MARGULIS 2004/03/18					
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-42228-001		1 OF 4	
					SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

CKTS	DM A	DM B
2	.200/5.08	.100/2.54
3	.300/7.62	.200/5.08
4	.400/10.16	.300/7.62
5	.500/12.70	.400/10.16
6	.600/15.24	.500/12.70
7	.700/17.78	.600/15.24
8	.800/20.32	.700/17.78
9	.900/22.86	.800/20.32
10	1.000/25.40	.900/22.86
11	1.100/27.94	1.000/25.40
12	1.200/30.48	1.100/27.94
13	1.300/33.02	1.200/30.48
14	1.400/35.56	1.300/33.02
15	1.500/38.10	1.400/35.56
16	1.600/40.64	1.500/38.10
17	1.700/43.18	1.600/40.64
18	1.800/45.72	1.700/43.18
19	1.900/48.26	1.800/45.72
20	2.000/50.80	1.900/48.26
21	2.100/53.34	2.000/50.80
22	2.200/55.88	2.100/53.34
23	2.300/58.42	2.200/55.88
24	2.400/60.96	2.300/58.42
25	2.500/63.50	2.400/60.96
26	2.600/66.04	2.500/63.50
27	2.700/68.58	2.600/66.04
28	2.800/71.12	2.700/68.58
29	2.900/73.66	2.800/71.12
30	3.000/76.20	2.900/73.66
31	3.100/78.74	3.000/76.20
32	3.200/81.28	3.100/78.74
33	3.300/83.82	3.200/81.28
34	3.400/86.36	3.300/83.82
35	3.500/88.90	3.400/86.36
36	3.600/91.44	3.500/88.90

DETAIL X
SCALE 5:1DETAIL Y
SCALE 5:1DETAIL Z
SCALE 5:1

.05 CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN .008/0.20 IN ANY DIRECTION.

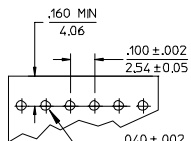
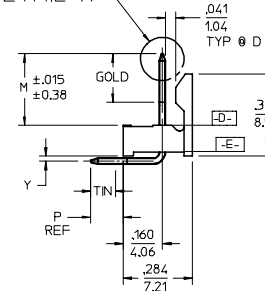
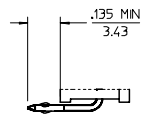
SEE DETAIL Y

SEE DETAIL X

SEE DETAIL Z

CIRCUIT NO. 1

OPTIONAL
REMOVED
BACKWALLS
(FIRST &
LAST CKTS)

RECOMMENDED PC BOARD
LAYOUTKINKED PIN DETAIL
SEE NOTE 5

NOTES:

1. MATERIAL: GLASS FILLED NYLON, 94V-0, COLOR: BLACK
2. FINISH:

(154) *OVERALL TIN: .000100/0.00254 MIN.

OVER .000050/0.00127 MN NICKEL.

(208) SELECT GOLD: .000015/0.00038 MIN.

*SELECT TIN: .000100/0.00254 MIN.

OVERALL NICKEL UNDERPLATE: .000050/0.00127 MN.

(228) SELECT GOLD: .000030/0.00076 MIN.

*SELECT TIN: .000100/0.00254 MIN.

OVERALL NICKEL UNDERPLATE: .000050/0.00127 MN.

*THE PRIMARY SHIPPING CARTON WILL BE LABELED

*COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV

ANNEX II OF DIRECTIVE 2000/53/EC. CARTONS WITHOUT

THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING

3. PRODUCT SPECIFICATION: PS-10-07.

4. PACKAGING INFORMATION: SEE TABLES

5. KINK PIN SPECIFICATION: SEE SMES-42003

6. HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.

7. SOLDERABILITY PER SMES-152.

8. PIN PUSH OUT FORCE: 3 LBS. MIN.

9. ABRASION MARKS ON BACK WALL SURFACE ARE PERMISSIBLE.

2	L
1	L4
SHT	REV

ADD NOTE 9 EC NO: UCP2006-1710 DRAWN:ADER 2006/02/01 CHKD: SCHMIT 2006/02/02 APPR: FSH TH 2006/02/06	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY JSCHAFER	DATE 2004/03/18	TITLE .100 FRICTION LOCK BREAKAWAY HEADER ASSY				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	±.010	KSAMIEC	2004/03/18	MOLEX INCORPORATED				
			2 PLACES	± 0.25	±.014	APPROVED BY	DATE					
			1 PLACE	± 0.36	± ---	MARGULIS	2004/03/18	DOCUMENT NO. SD-42228-002				
			ANGULAR ±1/2°		MATERIAL NO.		SHEET NO. 1 OF 6					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART								
L4	REV				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

A-42228-0213/0246						A-42228-0248/0281											
HEADER NUMBER:		41411				HEADER NUMBER:		41411									
PIN NUMBER:		42663-CKA154				PIN NUMBER:		42663-CKB208									
PIN LENGTH: L		.705/17.91				PIN LENGTH: L		.705/17.91									
MATING LENGTH: M		.295/7.49				MATING LENGTH: M		.295/7.49									
GOLD POINT: G		N/A				GOLD POINT: G		.140/3.56									
PC TAIL LENGTH: P		.120/3.05				PC TAIL LENGTH: P		.120/3.05									
TIN: T		OVERALL				TIN: T		.135/3.43									
DIMENSION Y		.022/0.56				DIMENSION Y		.022/0.56									
CKTS:		3-36				CKTS:		3-36									
KINKS:		NO				KINKS:		NO									
REMOVED BACKWALLS:		YES				REMOVED BACKWALLS:		YES									
VOIDED CKTS:		NONE				VOIDED CKTS:		NONE									
PACKAGING:		BULK 40873-0056				PACKAGING:		BULK 40873-0056									
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER						
02			20	22-28-1206	A-42228-0230	02			20	22-28-1207	A-42228-0265						
03	22-28-1036	A-42228-0213	21	22-28-1216	A-42228-0231	03	22-28-1037	A-42228-0248	21	22-28-1217	A-42228-0266						
04	22-28-1046	A-42228-0214	22	22-28-1226	A-42228-0232	04	22-28-1047	A-42228-0249	22	22-28-1227	A-42228-0267						
05	22-28-1056	A-42228-0215	23	22-28-1236	A-42228-0233	05	22-28-1057	A-42228-0250	23	22-28-1237	A-42228-0268						
06	22-28-1066	A-42228-0216	24	22-28-1246	A-42228-0234	06	22-28-1067	A-42228-0251	24	22-28-1247	A-42228-0269						
07	22-28-1076	A-42228-0217	25	22-28-1256	A-42228-0235	07	22-28-1077	A-42228-0252	25	22-28-1257	A-42228-0270						
08	22-28-1086	A-42228-0218	26	22-28-1266	A-42228-0236	08	22-28-1087	A-42228-0253	26	22-28-1267	A-42228-0271						
09	22-28-1096	A-42228-0219	27	22-28-1276	A-42228-0237	09	22-28-1097	A-42228-0254	27	22-28-1277	A-42228-0272						
10	22-28-1106	A-42228-0220	28	22-28-1286	A-42228-0238	10	22-28-1107	A-42228-0255	28	22-28-1287	A-42228-0273						
11	22-28-1116	A-42228-0221	29	22-28-1296	A-42228-0239	11	22-28-1117	A-42228-0256	29	22-28-1297	A-42228-0274						
12	22-28-1126	A-42228-0222	30	22-28-1306	A-42228-0240	12	22-28-1127	A-42228-0257	30	22-28-1307	A-42228-0275						
13	22-28-1136	A-42228-0223	31	22-28-1316	A-42228-0241	13	22-28-1137	A-42228-0258	31	22-28-1317	A-42228-0276						
14	22-28-1146	A-42228-0224	32	22-28-1326	A-42228-0242	14	22-28-1147	A-42228-0259	32	22-28-1327	A-42228-0277						
15	22-28-1156	A-42228-0225	33	22-28-1336	A-42228-0243	15	22-28-1157	A-42228-0260	33	22-28-1337	A-42228-0278						
16	22-28-1166	A-42228-0226	34	22-28-1346	A-42228-0244	16	22-28-1167	A-42228-0261	34	22-28-1347	A-42228-0279						
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18	22-28-1186	A-42228-0228	36	22-28-1366	A-42228-0246	18	22-28-1187	A-42228-0263	36	22-28-1367	A-42228-0281						
19	22-28-1196	A-42228-0229				19	22-28-1197	A-42228-0264									
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DOCUMENT NUMBER:		SD- 42228 -002				CREATED / REVISED BY:		J. SCHAFER 10/7/2003		CHECKED BY:		K.SAMIEC 10/14/2003		APPROVED BY:		Y. MARGULIS 10/21/03	
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																	

A-42228-0283/0316						A-42228-0318/0351											
HEADER NUMBER:		41411				HEADER NUMBER:		41411									
PIN NUMBER:		42663-CKB228				PIN NUMBER:		42663-CNA154									
PIN LENGTH: L		.705/17.91				PIN LENGTH: L		.720/18.29									
MATING LENGTH: M		.295/7.49				MATING LENGTH: M		.295/7.49									
GOLD POINT: G		.140/3.56				GOLD POINT: G		N/A									
PC TAIL LENGTH: P		.120/3.05				PC TAIL LENGTH: P		.135/3.43									
TIN: T		.135/3.43				TIN: T		OVERALL									
DIMENSION Y		.022/0.56				DIMENSION Y		.022/0.56									
CKTS:		3-36				CKTS:		3-36									
KINKS:		NO				KINKS:		YES SMES-42003									
REMOVED BACKWALLS:		YES				REMOVED BACKWALLS:		YES									
VOIDED CKTS:		NONE				VOIDED CKTS:		NONE									
PACKAGING:		BULK 40873-0056				PACKAGING:		BULK 40873-0056									
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER						
02			20	22-28-1208	A-42228-0300	02			20	22-28-1209	A-42228-0335						
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04	22-28-1048	A-42228-0284	22	22-28-1228	A-42228-0302	04	22-28-1049	A-42228-0319	22	22-28-1229	A-42228-0337						
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07	22-28-1078	A-42228-0287	25	22-28-1258	A-42228-0305	07	22-28-1079	A-42228-0322	25	22-28-1259	A-42228-0340						
08	22-28-1088	A-42228-0288	26	22-28-1268	A-42228-0306	08	22-28-1089	A-42228-0323	26	22-28-1269	A-42228-0341						
09	22-28-1098	A-42228-0289	27	22-28-1278	A-42228-0307	09	22-28-1099	A-42228-0324	27	22-28-1279	A-42228-0342						
10	22-28-1108	A-42228-0290	28	22-28-1288	A-42228-0308	10	22-28-1109	A-42228-0325	28	22-28-1289	A-42228-0343						
11	22-28-1118	A-42228-0291	29	22-28-1298	A-42228-0309	11	22-28-1119	A-42228-0326	29	22-28-1299	A-42228-0344						
12	22-28-1128	A-42228-0292	30	22-28-1308	A-42228-0310	12	22-28-1129	A-42228-0327	30	22-28-1309	A-42228-0345						
13	22-28-1138	A-42228-0293	31	22-28-1318	A-42228-0311	13	22-28-1139	A-42228-0328	31	22-28-1319	A-42228-0346						
14	22-28-1148	A-42228-0294	32	22-28-1328	A-42228-0312	14	22-28-1149	A-42228-0329	32	22-28-1329	A-42228-0347						
15	22-28-1158	A-42228-0295	33	22-28-1338	A-42228-0313	15	22-28-1159	A-42228-0330	33	22-28-1339	A-42228-0348						
16	22-28-1168	A-42228-0296	34	22-28-1348	A-42228-0314	16	22-28-1169	A-42228-0331	34	22-28-1349	A-42228-0349						
17	22-28-1178	A-42228-0297	35	22-28-1358	A-42228-0315	17	22-28-1179	A-42228-0332	35	22-28-1359	A-42228-0350						
18	22-28-1188	A-42228-0298	36	22-28-1368	A-42228-0316	18	22-28-1189	A-42228-0333	36	22-28-1369	A-42228-0351						
19	22-28-1198	A-42228-0299				19	22-28-1199	A-42228-0334									
REV:						TITLE:		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.				SHEET No. - 3 -					
DOCUMENT NUMBER:		SD- 42228 -002				CREATED / REVISED BY:		J. SCHAFER 10/7/2003		CHECKED BY:		K.SAMIEC 10/14/2003		APPROVED BY:		Y. MARGULIS 10/21/03	
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																	

A-42228-0422/0454						A-42228-0456/0490											
HEADER NUMBER:		41411				HEADER NUMBER:		41411									
PIN NUMBER:		42663-CKB228				PIN NUMBER:		42663-CNB208									
PIN LENGTH: L		.705/17.91				PIN LENGTH: L		.720/18.29									
MATING LENGTH: M		.295/7.49				MATING LENGTH: M		.295/7.49									
GOLD POINT: G		.140/3.56				GOLD POINT: G		.140/3.56									
PC TAIL LENGTH: P		.120/3.05				PC TAIL LENGTH: P		.135/3.43									
TIN: T		.135/3.43				TIN: T		.135/3.43									
DIMENSION Y		.022/0.56				DIMENSION Y		.022/0.56									
CKTS:		3-36				CKTS:		2-36									
KINKS:		NO				KINKS:		YES SMES-42003									
REMOVED BACKWALLS:		YES				REMOVED BACKWALLS:		NO									
VOIDED CKTS:		3				VOIDED CKTS:		2									
PACKAGING:		BULK 40873-0056				PACKAGING:		BULK 40873-0056									
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER						
02			20		A-42228-0439	02		A-42228-0456	20	22-29-1204	A-42228-0474						
03		A-42228-0422	21		A-42228-0440	03	22-29-1034	A-42228-0457	21	22-29-1214	A-42228-0475						
04	22-29-1041	A-42228-0423	22		A-42228-0441	04	22-29-1044	A-42228-0458	22	22-29-1224	A-42228-0476						
05		A-42228-0424	23		A-42228-0442	05	22-29-1054	A-42228-0459	23	22-29-2234	A-42228-0477						
06		A-42228-0425	24		A-42228-0443	06	22-29-1064	A-42228-0460	24	22-29-1244	A-42228-0478						
07		A-42228-0426	25		A-42228-0444	07	22-29-1074	A-42228-0461	25	22-29-1254	A-42228-0479						
08		A-42228-0427	26		A-42228-0445	08	22-29-1084	A-42228-0462	26	22-29-1264	A-42228-0480						
09		A-42228-0428	27		A-42228-0446	09	22-29-1094	A-42228-0463	27	22-29-1274	A-42228-0481						
10		A-42228-0429	28		A-42228-0447	10	22-29-1104	A-42228-0464	28	22-29-1284	A-42228-0482						
11		A-42228-0430	29		A-42228-0448	11	22-29-1114	A-42228-0465	29	22-29-1294	A-42228-0483						
12		A-42228-0431	30		A-42228-0449	12	22-29-1124	A-42228-0466	30	22-29-1304	A-42228-0484						
13		A-42228-0432	31		A-42228-0450	13	22-29-1134	A-42228-0467	31	22-29-1314	A-42228-0485						
14		A-42228-0433	32		A-42228-0451	14	22-29-1144	A-42228-0468	32	22-29-1324	A-42228-0486						
15		A-42228-0434	33		A-42228-0452	15	22-29-1154	A-42228-0469	33	22-29-1334	A-42228-0487						
16		A-42228-0435	34		A-42228-0453	16	22-29-1164	A-42228-0470	34	22-29-1344	A-42228-0488						
17		A-42228-0436	35		A-42228-0454	17	22-29-1174	A-42228-0471	35	22-29-1354	A-42228-0489						
18		A-42228-0437	36		A-42228-0455	18	22-29-1184	A-42228-0472	36	22-29-1364	A-42228-0490						
19		A-42228-0438				19	22-29-1194	A-42228-0473									
REV:						TITLE:		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.				SHEET No. - 4 -					
DOCUMENT NUMBER:		SD- 42228 -002				CREATED / REVISED BY:		J. SCHAFER 10/7/2003		CHECKED BY:		K.SAMIEC 10/14/2003		APPROVED BY:		Y. MARGULIS 10/21/03	
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																	

A-42228-0491/0524						A-42228-0525/0537							
HEADER NUMBER:			41411			HEADER NUMBER:			41411				
PIN NUMBER:			42663-CNA154			PIN NUMBER:			42663-CNA154				
PIN LENGTH: L			.720/18.29			PIN LENGTH: L			.720/18.29				
MATING LENGTH: M			.295/7.49			MATING LENGTH: M			.295/7.49				
GOLD POINT: G			N/A			GOLD POINT: G			N/A				
PC TAIL LENGTH: P			.135/3.43			PC TAIL LENGTH: P			.135/3.43				
TIN: T			OVERALL			TIN: T			OVERALL				
DIMENSION Y			.022/0.56			DIMENSION Y			.022/0.56				
CKTS:			3-36			CKTS:			24-36				
KINKS:			YES SMES-43703			KINKS:			YES SMES-42003				
REMOVED BACKWALLS:			YES			REMOVED BACKWALLS:			NO				
VOIDED CKTS:			NONE			VOIDED CKTS:			5, 7, 11,13,16, 20, 24				
PACKAGING:			BULK 40873-0056			PACKAGING:			BULK 40873-0056				
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER		
02			20		A-42228-0508	02			20				
03		A-42228-0491	21		A-42228-0509	03			21				
04		A-42228-0492	22		A-42228-0510	04			22				
05	42228-0493	A-42228-0493	23		A-42228-0511	05			23				
06	42228-0494	A-42228-0494	24		A-42228-0512	06			24	42228-0525	A-42228-0525		
07	42228-0495	A-42228-0495	25		A-42228-0513	07			25	42228-0526	A-42228-0526		
08		A-42228-0496	26		A-42228-0514	08			26	42228-0527	A-42228-0527		
09		A-42228-0497	27		A-42228-0515	09			27	42228-0528	A-42228-0528		
10		A-42228-0498	28		A-42228-0516	10			28	42228-0529	A-42228-0529		
11	42228-0499	A-42228-0499	29		A-42228-0517	11			29	42228-0530	A-42228-0530		
12		A-42228-0500	30		A-42228-0518	12			30	42228-0531	A-42228-0531		
13		A-42228-0501	31		A-42228-0519	13			31	42228-0532	A-42228-0532		
14		A-42228-0502	32		A-42228-0520	14			32	42228-0533	A-42228-0533		
15		A-42228-0503	33		A-42228-0521	15			33	42228-0534	A-42228-0534		
16		A-42228-0504	34		A-42228-0522	16			34	42228-0535	A-42228-0535		
17		A-42228-0505	35		A-42228-0523	17			35	42228-0536	A-42228-0536		
18		A-42228-0506	36		A-42228-0524	18			36	42228-0537	A-42228-0537		
19		A-42228-0507				19							
REV:						TITLE:		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.				SHEET No. - 5 -	
DOCUMENT NUMBER: SD- 42228 -002				CREATED / REVISED BY: J. SCHAFER 10/7/2003		CHECKED BY: K.SAMIEC 10/14/2003		APPROVED BY: Y. MARGULIS 10/21/03					
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC													

A-42228-0538/0566									
HEADER NUMBER:			41411						
PIN NUMBER:			42663-CNA154						
PIN LENGTH: L			.720/18.29						
MATING LENGTH: M			.295/7.49						
GOLD POINT: G			N/A						
PC TAIL LENGTH: P			.135/3.43						
TIN: T			OVERALL						
DIMENSION Y			.022/0.56						
CKTS:			8-36						
KINKS:			YES SMES-42003						
REMOVED BACKWALLS:			NO						
VOIDED CKTS:			8						
PACKAGING:			BULK 40873-0056						
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER				
02			20	42228-0550	A-42228-0550				
03			21	42228-0551	A-42228-0551				
04			22	42228-0552	A-42228-0552				
05			23	42228-0553	A-42228-0553				
06			24	42228-0554	A-42228-0554				
07			25	42228-0555	A-42228-0555				
08	42228-0538	A-42228-0538	26	42228-0556	A-42228-0556				
09	42228-0539	A-42228-0539	27	42228-0557	A-42228-0557				
10	42228-0540	A-42228-0540	28	42228-0558	A-42228-0558				
11	42228-0541	A-42228-0541	29	42228-0559	A-42228-0559				
12	42228-0542	A-42228-0542	30	42228-0560	A-42228-0560				
13	42228-0543	A-42228-0543	31	42228-0561	A-42228-0561				
14	42228-0544	A-42228-0544	32	42228-0562	A-42228-0562				
15	42228-0545	A-42228-0545	33	42228-0563	A-42228-0563				
16	42228-0546	A-42228-0546	34	42228-0564	A-42228-0564				
17	42228-0547	A-42228-0547	35	42228-0565	A-42228-0565				
18	42228-0548	A-42228-0548	36	42228-0566	A-42228-0566				
19	42228-0549	A-42228-0549							
REV: K			TITLE: .100 FRICTION LOCK BREAKAWAY HEADER ASSY.					SHEET No. - 6 -	
DOCUMENT NUMBER: SD- 42228 -002			CREATED / REVISED BY: J. SCHAFER 10/7/2003		CHECKED BY: K.SAMIEC 10/14/2003		APPROVED BY: Y. MARGULIS 10/21/03		
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC									