

NO OF CKTS	DIM A	DIM B	DIM C
2	(2.54) .100	(5.44) .214	(7.59) .299
3	(5.08) .200	(7.98) .314	(10.13) .399
4	(7.62) .300	(10.52) .414	(12.67) .499
5	(10.16) .400	(13.06) .514	(15.21) .599
6	(12.70) .500	(15.60) .614	(17.75) .699
7	(15.24) .600	(18.14) .714	(20.29) .799
8	(17.78) .700	(20.68) .814	(22.23) .899
9	(20.30) .800	(23.22) .914	(25.37) .999
10	(22.86) .900	(25.76) 1.014	(27.91) 1.099
11	(25.40) 1.000	(28.30) 1.114	(30.45) 1.199
12	(27.94) 1.100	(30.84) 1.214	(32.99) 1.299
13	(30.48) 1.200	(33.38) 1.314	(35.53) 1.399
14	(33.02) 1.300	(35.92) 1.414	(38.07) 1.499
15	(35.56) 1.400	(38.46) 1.514	(40.61) 1.599
16	(38.10) 1.500	(41.00) 1.614	(43.15) 1.699
17	(40.64) 1.600	(43.54) 1.714	(45.69) 1.799
18	(43.18) 1.700	(46.08) 1.814	(48.23) 1.899
19	(45.72) 1.800	(48.62) 1.914	(50.77) 1.999
20	(48.26) 1.900	(51.16) 2.014	(53.31) 2.099
21	(50.80) 2.000	(53.70) 2.114	(55.85) 2.199
22	(53.34) 2.100	(56.24) 2.214	(58.39) 2.299
23	(55.88) 2.200	(58.78) 2.314	(60.93) 2.399
24	(58.42) 2.300	(61.32) 2.414	(63.47) 2.499
25	(60.96) 2.400	(63.86) 2.514	(66.01) 2.599
26	(63.50) 2.500	(66.40) 2.614	(68.55) 2.699
27	(66.04) 2.600	(68.94) 2.714	(71.09) 2.799
28	(68.58) 2.700	(71.48) 2.814	(73.63) 2.899

ENGINEERING NUMBERING SYSTEM FOR PARTS WITHOUT VOIDS  
SEE SHEET 17 FOR PARTS WITH VOIDS

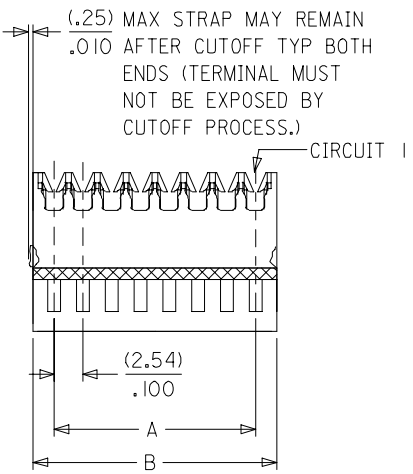
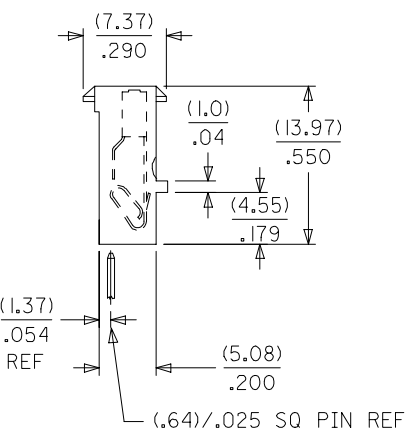
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B=7720-BN  
C=7720-CN  
D=7720-DN  
E=7720-EN  
F=7720-FN  
WA=7720-WAN  
WB=7720-WBN  
WC=7720-WCN  
WD=7720-WDN  
WE=7720-WEN  
WF=7720-WFN

NO. OF CKTS

SLOT I.D.  
A= } SEE NOTE 8  
F= }  
H= }

TERMINAL  
A=7691  
B=41138  
C=41512

PLATING

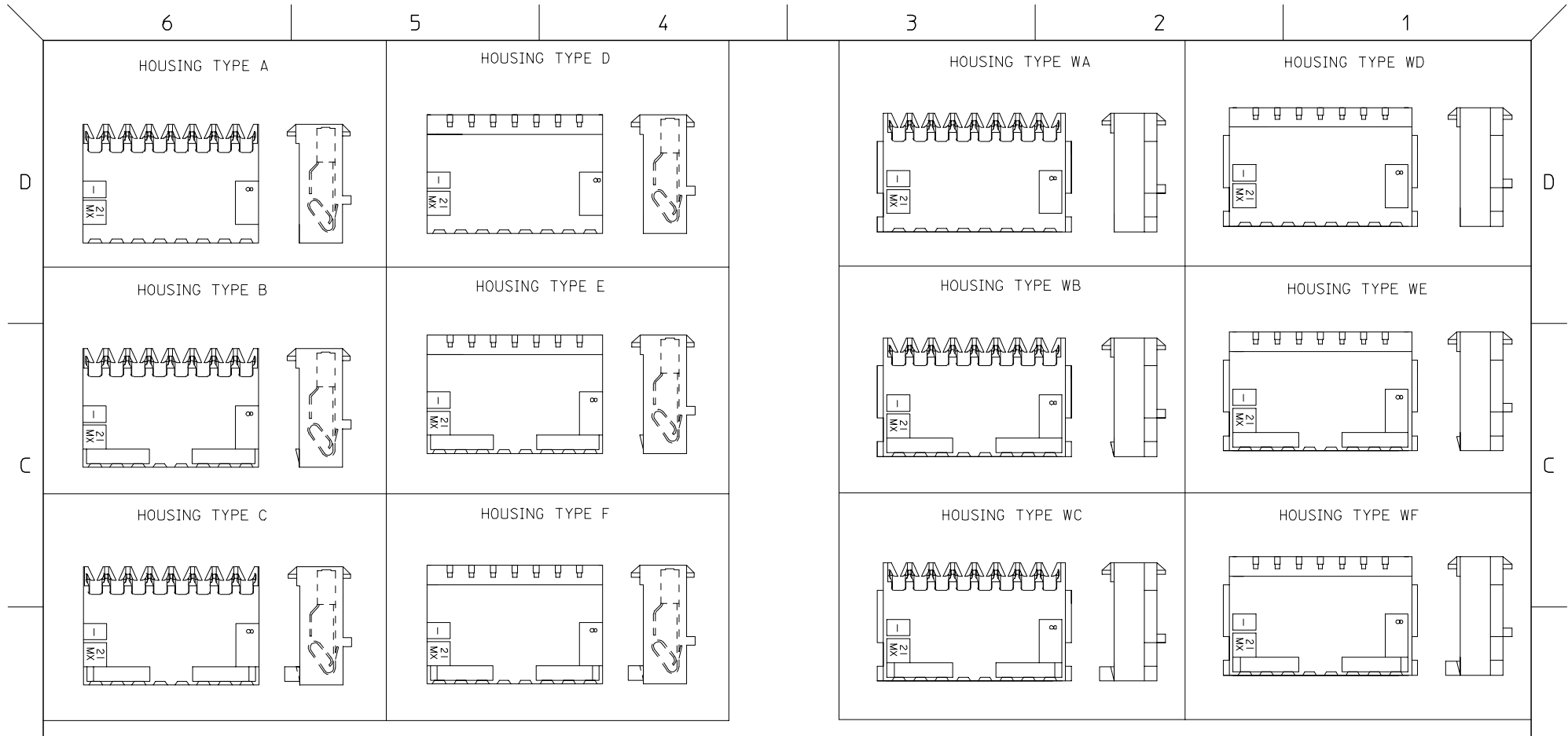


NOTES

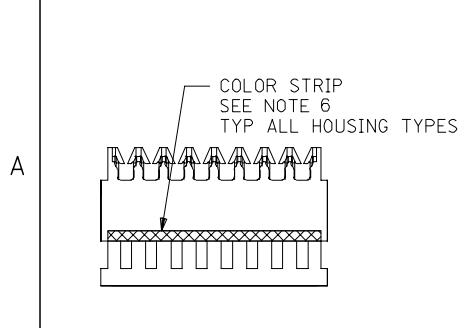
- MATERIAL: UNFILLED NYLON, UL94V-2, MOLDED MATERIAL (CLEAR)
- FINISH:
  - (102) OVERALL TIN: (0.00508)/.000200 MIN OVER (0.00254)/.000100 MIN COPPER.
  - (208) SELECT GOLD: (0.00038)/.000015 MIN, \* SELECT TIN: (0.00254)/.000100 MIN, OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
  - (228) SELECT GOLD: (0.00076)/.000030 MIN, \* SELECT TIN: (0.00254)/.000100 MIN, OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
  - (501) OVERALL GOLD: (0.00051)/.000020 MIN OVER (0.00076)/.000030 MIN NICKEL
  - (502) OVERALL GOLD: (0.00076)/.000030 MIN OVER (0.00127)/.000050 MIN NICKEL.
  - (P909) OVERALL TIN: (0.00254)/.000100 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 PLATINGS.
- PRODUCT SPECIFICATION: PS-7720-001
- PACKAGING: BULK PK-7720-001 SEE CHART
- THESE HOUSING ARE FOR USE WITH SINGLE 22 AWG WIRE TERMINATION ONLY
- COLOR STRIPE TO RUN LENGTH OF RIB AS SHOWN (SEE CHART FOR COLOR)
- SEE APPLICATION SPEC SMES-7720-0002 FOR ADDITIONAL INFORMATION.
- WIRE SPECIFICATIONS: SEE SMES-7720-0002 (INSUL. DIA (1.52)/.060 MAX)
  - SLOT SIZE A FOR USE WITH: 26 AWG SOLID, STRANDED TINNED
  - 28 AWG SOLID, STRANDED TINNED, AND STRANDED TOPCOAT
  - SLOT SIZE H FOR USE WITH: 24 AWG SOLID, STRANDED TINNED, AND STRANDED TOPCOAT
  - 26 AWG STRANDED TOPCOAT
  - SLOT SIZE F FOR USE WITH: 22 AWG STRANDED TINNED

3-*	A22
2	A22
1	A22

UPDATE PER ECN EC NO: UCP2006-0629 DRWN:DPETERSON 2005/09/22 CHKD:ADERR 2005/09/22 APPR:FSMITH 2005/09/22 AZZ	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES	± ---	± ---	DRAWN BY SAMIEC	DATE 2004/04/13	TITLE KK 100 IDT CONNECTOR ASSEMBLY		
		3 PLACES	± ---	± ---	CHECKED BY SAMIEC	DATE 2004/04/13	MATERIAL NO. SD-7720-001		
		2 PLACES	± ---	± ---	APPROVED BY MARGULIS	DATE 2004/04/13	SHEET NO. 1 OF 17		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



B



UPDATE PER ECN EC NO: UCP2006-0629 DRWN:DPETERSON 2005/09/22 CHK:ADERR 2005/09/22 APPR:FSMITH 2005/09/22 AZZ	DESCRIPTION REV	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>SAMIEC</td> <td>2004/04/13</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>SAMIEC</td> <td>2004/04/13</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>MARGULIS</td> <td>2004/04/13</td> </tr> </tbody> </table>	DRAWN BY	DATE	SAMIEC	2004/04/13	CHECKED BY	DATE	SAMIEC	2004/04/13	APPROVED BY	DATE	MARGULIS	2004/04/13	TITLE <b>KK 100 IDT CONNECTOR ASSEMBLY</b>		
			mm	INCH																													
		4 PLACES	± ---	± ---																													
3 PLACES	± ---	± ---																															
2 PLACES	± ---	± ---																															
1 PLACE	± ---	± ---																															
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SAMIEC	2004/04/13																																
CHECKED BY	DATE																																
SAMIEC	2004/04/13																																
APPROVED BY	DATE																																
MARGULIS	2004/04/13																																
ANGULAR ±1/2°		MATERIAL NO. <b>SEE CHART</b>		<b>MOLEX INCORPORATED</b>		DOCUMENT NO. <b>SD-7720-001</b>																											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																													

A-7720-ANA102		A-7720-BNA102		A-7720-CNA102		A-7720-DNA102		A-7720-ENA102		A-7720-FNA102	
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TERM. NO	7691-A102	TERM. NO	7691-A102	TERM. NO	7691-A102	TERM. NO	7691-A102	TERM. NO	7691-A102	TERM. NO	7691-A102
PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102
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MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
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REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>3</b>
-------------------------	-------------	--	-----------------------

DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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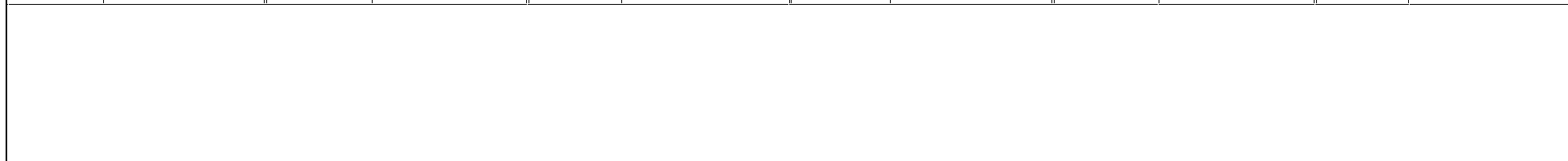
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HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN	HOUSING	7720-DN	HOUSING	7720-EN	HOUSING	7720-FN
TERM. NO	41138-HP909	TERM. NO	41138-HP909	TERM. NO	41138-HP909	TERM. NO	41138-HP909	TERM. NO	41138-HP909	TERM. NO	41138-HP909
PLATING:	P909	PLATING:	P909	PLATING:	P909	PLATING:	P909	PLATING:	P909	PLATING:	P909
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MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
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22-26-7032	A-7720-A03HP909B	22-26-8032	A-7720-B03HP909B	22-26-9032	A-7720-C03HP909B	22-41-3032	A-7720-D03HP909B	22-41-4032	A-7720-E03HP909B	22-41-5032	A-7720-F03HP909B
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<b>REVISION:</b>		<b>TITLE:</b>		<b>SHEET No.</b>
<b>AZ2</b>	<b>SEE SHEET 1</b>		<b>KK 100 IDT CONNECTOR ASSEMBLY</b>	<b>4</b>

<b>DOCUMENT NUMBER:</b>	<b>CREATED / REVISED BY:</b>	<b>CHECKED BY:</b>	<b>APPROVED BY:</b>
<b>SD-7720-001</b>	<b>DPETERSON</b>	<b>ADERR</b>	<b>FSMITH</b>



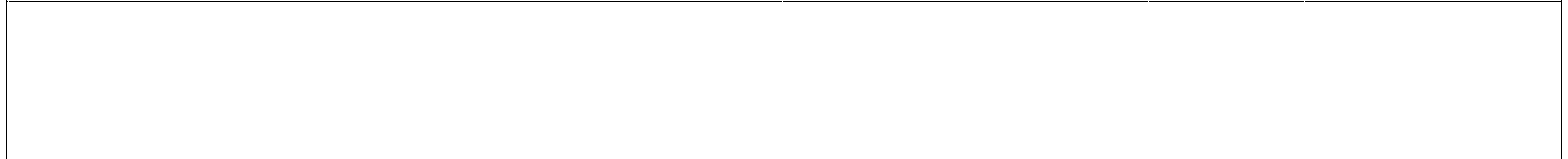
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REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>6</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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	A-7720-A26A501A	22-45-8261	A-7720-B26A501A		A-7720-C26A501A		A-7720-D26A501A	22-45-7264	A-7720-E26A501A		A-7720-F26A501A
	A-7720-A27A501A	22-45-8271	A-7720-B27A501A		A-7720-C27A501A		A-7720-D27A501A	22-45-7274	A-7720-E27A501A		A-7720-F27A501A
	A-7720-A28A501A	22-45-8281	A-7720-B28A501A		A-7720-C28A501A		A-7720-D28A501A	22-45-7284	A-7720-E28A501A		A-7720-F28A501A



REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>7</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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A-7720-ANH501B		A-7720-BNH501B		A-7720-CNH501B		A-7720-DNH501B		A-7720-ENH501B		A-7720-FNH501B	
HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN	HOUSING	7720-DN	HOUSING	7720-EN	HOUSING	7720-FN
TERM. NO	41138-H501	TERM. NO	41138-H501	TERM. NO	41138-H501	TERM. NO	41138-H501	TERM. NO	41138-H501	TERM. NO	41138-H501
PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501
COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN
MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
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22-45-7035	A-7720-A03H501B	22-45-8032	A-7720-B03H501B		A-7720-C03H501B	22-45-8037	A-7720-D03H501B	22-45-7036	A-7720-E03H501B	22-45-7038	A-7720-F03H501B
22-45-7045	A-7720-A04H501B	22-45-8042	A-7720-B04H501B		A-7720-C04H501B	22-45-8047	A-7720-D04H501B	22-45-7046	A-7720-E04H501B	22-45-7048	A-7720-F04H501B
22-45-7055	A-7720-A05H501B	22-45-8052	A-7720-B05H501B		A-7720-C05H501B	22-45-8057	A-7720-D05H501B	22-45-7056	A-7720-E05H501B	22-45-7058	A-7720-F05H501B
22-45-7065	A-7720-A06H501B		A-7720-B06H501B	22-45-7062	A-7720-C06H501B	22-45-8067	A-7720-D06H501B	22-45-7066	A-7720-E06H501B	22-45-7068	A-7720-F06H501B
22-45-7075	A-7720-A07H501B		A-7720-B07H501B		A-7720-C07H501B	22-45-8077	A-7720-D07H501B	22-45-7076	A-7720-E07H501B	22-45-7078	A-7720-F07H501B
22-45-7085	A-7720-A08H501B	22-45-8082	A-7720-B08H501B	22-45-7082	A-7720-C08H501B	22-45-8087	A-7720-D08H501B	22-45-7086	A-7720-E08H501B	22-45-7088	A-7720-F08H501B
22-45-7095	A-7720-A09H501B		A-7720-B09H501B		A-7720-C09H501B	22-45-8097	A-7720-D09H501B	22-45-7096	A-7720-E09H501B	22-45-7098	A-7720-F09H501B
22-45-7105	A-7720-A10H501B	22-45-8102	A-7720-B10H501B	22-45-7102	A-7720-C10H501B	22-45-8107	A-7720-D10H501B	22-45-7106	A-7720-E10H501B	22-45-7108	A-7720-F10H501B
22-45-7115	A-7720-A11H501B		A-7720-B11H501B		A-7720-C11H501B	22-45-8117	A-7720-D11H501B	22-45-7116	A-7720-E11H501B	22-45-7118	A-7720-F11H501B
22-45-7125	A-7720-A12H501B		A-7720-B12H501B		A-7720-C12H501B	22-45-8127	A-7720-D12H501B	22-45-7126	A-7720-E12H501B	22-45-7128	A-7720-F12H501B
22-45-7135	A-7720-A13H501B		A-7720-B13H501B	22-45-7132	A-7720-C13H501B	22-45-8137	A-7720-D13H501B	22-45-7136	A-7720-E13H501B	22-45-7138	A-7720-F13H501B
22-45-7145	A-7720-A14H501B		A-7720-B14H501B	22-45-7142	A-7720-C14H501B	22-45-8147	A-7720-D14H501B	22-45-7146	A-7720-E14H501B	22-45-7148	A-7720-F14H501B
22-45-7155	A-7720-A15H501B		A-7720-B15H501B		A-7720-C15H501B	22-45-8157	A-7720-D15H501B	22-45-7156	A-7720-E15H501B	22-45-7158	A-7720-F15H501B
22-45-7165	A-7720-A16H501B		A-7720-B16H501B		A-7720-C16H501B	22-45-8167	A-7720-D16H501B	22-45-7166	A-7720-E16H501B	22-45-7168	A-7720-F16H501B
22-45-7175	A-7720-A17H501B		A-7720-B17H501B		A-7720-C17H501B	22-45-8177	A-7720-D17H501B	22-45-7176	A-7720-E17H501B	22-45-7178	A-7720-F17H501B
22-45-7185	A-7720-A18H501B		A-7720-B18H501B		A-7720-C18H501B	22-45-8187	A-7720-D18H501B	22-45-7186	A-7720-E18H501B	22-45-7188	A-7720-F18H501B
22-45-7195	A-7720-A19H501B		A-7720-B19H501B		A-7720-C19H501B	22-45-8197	A-7720-D19H501B	22-45-7196	A-7720-E19H501B	22-45-7198	A-7720-F19H501B
22-45-7205	A-7720-A20H501B		A-7720-B20H501B		A-7720-C20H501B	22-45-8207	A-7720-D20H501B	22-45-7206	A-7720-E20H501B	22-45-7208	A-7720-F20H501B
22-45-7215	A-7720-A21H501B		A-7720-B21H501B		A-7720-C21H501B	22-45-8217	A-7720-D21H501B	22-45-7216	A-7720-E21H501B	22-45-7218	A-7720-F21H501B
22-45-7225	A-7720-A22H501B		A-7720-B22H501B		A-7720-C22H501B	22-45-8227	A-7720-D22H501B	22-45-7226	A-7720-E22H501B	22-45-7228	A-7720-F22H501B
22-45-7235	A-7720-A23H501B		A-7720-B23H501B		A-7720-C23H501B	22-45-8237	A-7720-D23H501B	22-45-7236	A-7720-E23H501B	22-45-7238	A-7720-F23H501B
22-45-7245	A-7720-A24H501B		A-7720-B24H501B		A-7720-C24H501B	22-45-8247	A-7720-D24H501B	22-45-7246	A-7720-E24H501B	22-45-7248	A-7720-F24H501B
22-45-7255	A-7720-A25H501B		A-7720-B25H501B		A-7720-C25H501B	22-45-8257	A-7720-D25H501B	22-45-7256	A-7720-E25H501B	22-45-7258	A-7720-F25H501B
22-45-7265	A-7720-A26H501B		A-7720-B26H501B		A-7720-C26H501B	22-45-8267	A-7720-D26H501B	22-45-7266	A-7720-E26H501B	22-45-7268	A-7720-F26H501B
22-45-7275	A-7720-A27H501B		A-7720-B27H501B		A-7720-C27H501B	22-45-8277	A-7720-D27H501B	22-45-7276	A-7720-E27H501B	22-45-7278	A-7720-F27H501B
22-45-7285	A-7720-A28H501B		A-7720-B28H501B		A-7720-C28H501B	22-45-8287	A-7720-D28H501B	22-45-7286	A-7720-E28H501B	22-45-7288	A-7720-F28H501B

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REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>8</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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A-7720-WANF501B		A-7720-WBNF501B		A-7720-WCNF501B		A-7720-WDNF501B		A-7720-WENF501B		A-7720-WFNF501B	
HOUSING	7720-WAN	HOUSING	7720-WBN	HOUSING	7720-WCN	HOUSING	7720-WDN	HOUSING	7720-WEN	HOUSING	7720-WFN
TERM. NO	41138-F501	TERM. NO	41138-F501	TERM. NO	41138-F501	TERM. NO	41138-F501	TERM. NO	41138-F501	TERM. NO	41138-F501
PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501	PLATING:	501
COLOR	BLACK	COLOR	BLACK	COLOR	BLACK	COLOR	BLACK	COLOR	BLACK	COLOR	BLACK
MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
22-45-6021	A-7720-WA02F501B	22-45-6025	A-7720-WB02F501B	22-45-6026	A-7720-WC02F501B	22-45-6027	A-7720-WD02F501B	22-45-6028	A-7720-WE02F501B	22-45-6029	A-7720-WF02F501B
22-45-6031	A-7720-WA03F501B	22-45-6035	A-7720-WB03F501B	22-45-6036	A-7720-WC03F501B	22-45-6037	A-7720-WD03F501B	22-45-6038	A-7720-WE03F501B	22-45-6039	A-7720-WF03F501B
22-45-6041	A-7720-WA04F501B	22-45-6045	A-7720-WB04F501B	22-45-6046	A-7720-WC04F501B	22-45-6047	A-7720-WD04F501B	22-45-6048	A-7720-WE04F501B	22-45-6049	A-7720-WF04F501B
22-45-6051	A-7720-WA05F501B	22-45-6055	A-7720-WB05F501B	22-45-6056	A-7720-WC05F501B	22-45-6057	A-7720-WD05F501B	22-45-6058	A-7720-WE05F501B	22-45-6059	A-7720-WF05F501B
22-45-6061	A-7720-WA06F501B	22-45-6065	A-7720-WB06F501B	22-45-6066	A-7720-WC06F501B	22-45-6067	A-7720-WD06F501B	22-45-6068	A-7720-WE06F501B	22-45-6069	A-7720-WF06F501B
22-45-6071	A-7720-WA07F501B	22-45-6075	A-7720-WB07F501B	22-45-6076	A-7720-WC07F501B	22-45-6077	A-7720-WD07F501B	22-45-6078	A-7720-WE07F501B	22-45-6079	A-7720-WF07F501B
22-45-6081	A-7720-WA08F501B	22-45-6085	A-7720-WB08F501B	22-45-6086	A-7720-WC08F501B	22-45-6087	A-7720-WD08F501B	22-45-6088	A-7720-WE08F501B	22-45-6089	A-7720-WF08F501B
22-45-6091	A-7720-WA09F501B	22-45-6095	A-7720-WB09F501B	22-45-6096	A-7720-WC09F501B	22-45-6097	A-7720-WD09F501B	22-45-6098	A-7720-WE09F501B	22-45-6099	A-7720-WF09F501B
22-45-6101	A-7720-WA10F501B	22-45-6105	A-7720-WB10F501B	22-45-6106	A-7720-WC10F501B	22-45-6107	A-7720-WD10F501B	22-45-6108	A-7720-WE10F501B	22-45-6109	A-7720-WF10F501B
22-45-6111	A-7720-WA11F501B	22-45-6115	A-7720-WB11F501B	22-45-6116	A-7720-WC11F501B	22-45-6117	A-7720-WD11F501B	22-45-6118	A-7720-WE11F501B	22-45-6119	A-7720-WF11F501B
22-45-6121	A-7720-WA12F501B	22-45-6125	A-7720-WB12F501B	22-45-6126	A-7720-WC12F501B	22-45-6127	A-7720-WD12F501B	22-45-6128	A-7720-WE12F501B	22-45-6129	A-7720-WF12F501B
22-45-6131	A-7720-WA13F501B	22-45-6135	A-7720-WB13F501B	22-45-6136	A-7720-WC13F501B	22-45-6137	A-7720-WD13F501B	22-45-6138	A-7720-WE13F501B	22-45-6139	A-7720-WF13F501B
22-45-6141	A-7720-WA14F501B	22-45-6145	A-7720-WB14F501B	22-45-6146	A-7720-WC14F501B	22-45-6147	A-7720-WD14F501B	22-45-6148	A-7720-WE14F501B	22-45-6149	A-7720-WF14F501B
22-45-6151	A-7720-WA15F501B	22-45-6155	A-7720-WB15F501B	22-45-6156	A-7720-WC15F501B	22-45-6157	A-7720-WD15F501B	22-45-6158	A-7720-WE15F501B	22-45-6159	A-7720-WF15F501B
22-45-6161	A-7720-WA16F501B	22-45-6165	A-7720-WB16F501B	22-45-6166	A-7720-WC16F501B	22-45-6167	A-7720-WD16F501B	22-45-6168	A-7720-WE16F501B	22-45-6169	A-7720-WF16F501B
22-45-6171	A-7720-WA17F501B	22-45-6175	A-7720-WB17F501B	22-45-6176	A-7720-WC17F501B	22-45-6177	A-7720-WD17F501B	22-45-6178	A-7720-WE17F501B	22-45-6179	A-7720-WF17F501B
22-45-6181	A-7720-WA18F501B	22-45-6185	A-7720-WB18F501B	22-45-6186	A-7720-WC18F501B	22-45-6187	A-7720-WD18F501B	22-45-6188	A-7720-WE18F501B	22-45-6189	A-7720-WF18F501B
22-45-6191	A-7720-WA19F501B	22-45-6195	A-7720-WB19F501B	22-45-6196	A-7720-WC19F501B	22-45-6197	A-7720-WD19F501B	22-45-6198	A-7720-WE19F501B	22-45-6199	A-7720-WF19F501B
22-45-6201	A-7720-WA20F501B	22-45-6205	A-7720-WB20F501B	22-45-6206	A-7720-WC20F501B	22-45-6207	A-7720-WD20F501B	22-45-6208	A-7720-WE20F501B	22-45-6209	A-7720-WF20F501B
22-45-6211	A-7720-WA21F501B	22-45-6215	A-7720-WB21F501B	22-45-6216	A-7720-WC21F501B	22-45-6217	A-7720-WD21F501B	22-45-6218	A-7720-WE21F501B	22-45-6219	A-7720-WF21F501B
22-45-6221	A-7720-WA22F501B	22-45-6225	A-7720-WB22F501B	22-45-6226	A-7720-WC22F501B	22-45-6227	A-7720-WD22F501B	22-45-6228	A-7720-WE22F501B	22-45-6229	A-7720-WF22F501B
22-45-6231	A-7720-WA23F501B	22-45-6235	A-7720-WB23F501B	22-45-6236	A-7720-WC23F501B	22-45-6237	A-7720-WD23F501B	22-45-6238	A-7720-WE23F501B	22-45-6239	A-7720-WF23F501B
22-45-6241	A-7720-WA24F501B	22-45-6245	A-7720-WB24F501B	22-45-6246	A-7720-WC24F501B	22-45-6247	A-7720-WD24F501B	22-45-6248	A-7720-WE24F501B	22-45-6249	A-7720-WF24F501B
22-45-6251	A-7720-WA25F501B	22-45-6255	A-7720-WB25F501B	22-45-6256	A-7720-WC25F501B	22-45-6257	A-7720-WD25F501B	22-45-6258	A-7720-WE25F501B	22-45-6259	A-7720-WF25F501B
22-45-6261	A-7720-WA26F501B	22-45-6265	A-7720-WB26F501B	22-45-6266	A-7720-WC26F501B	22-45-6267	A-7720-WD26F501B	22-45-6268	A-7720-WE26F501B	22-45-6269	A-7720-WF26F501B
22-45-6271	A-7720-WA27F501B	22-45-6275	A-7720-WB27F501B	22-45-6276	A-7720-WC27F501B	22-45-6277	A-7720-WD27F501B	22-45-6278	A-7720-WE27F501B	22-45-6279	A-7720-WF27F501B
22-45-6281	A-7720-WA28F501B	22-45-6285	A-7720-WB28F501B	22-45-6286	A-7720-WC28F501B	22-45-6287	A-7720-WD28F501B	22-45-6288	A-7720-WE28F501B	22-45-6289	A-7720-WF28F501B

REVISION:		TITLE:				SHEET No.	
<b>AZ2</b>		<b>KK 100 IDT CONNECTOR ASSEMBLY</b>				<b>9</b>	
SEE SHEET 1							

DOCUMENT NUMBER:		CREATED / REVISED BY:		CHECKED BY:		APPROVED BY:	
SD-7720-001		DPETERSON		ADERR		FSMITH	

A-7720-ANH503B		A-7720-BNH503B		A-7720-CNH503B		A-7720-DNH503B		A-7720-ENH503B		A-7720-FNH503B	
HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN	HOUSING	7720-DN	HOUSING	7720-EN	HOUSING	7720-FN
TERM. NO	41138-H503	TERM. NO	41138-H503	TERM. NO	41138-H503	TERM. NO	41138-H503	TERM. NO	41138-H503	TERM. NO	41138-H503
PLATING:	503	PLATING:	503	PLATING:	503	PLATING:	503	PLATING:	503	PLATING:	503
COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN
MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
	A-7720-A02H503B		A-7720-B02H503B	22-45-9022	A-7720-C02H503B		A-7720-D02H503B		A-7720-E02H503B		A-7720-F02H503B
	A-7720-A03H503B		A-7720-B03H503B	22-45-9032	A-7720-C03H503B		A-7720-D03H503B		A-7720-E03H503B		A-7720-F03H503B
	A-7720-A04H503B		A-7720-B04H503B	22-45-9042	A-7720-C04H503B		A-7720-D04H503B		A-7720-E04H503B	22-45-9047	A-7720-F04H503B
	A-7720-A05H503B		A-7720-B05H503B	22-45-9052	A-7720-C05H503B		A-7720-D05H503B	22-45-9055	A-7720-E05H503B	22-45-9057	A-7720-F05H503B
	A-7720-A06H503B		A-7720-B06H503B	22-45-9062	A-7720-C06H503B		A-7720-D06H503B	22-45-9065	A-7720-E06H503B	22-45-9067	A-7720-F06H503B
	A-7720-A07H503B		A-7720-B07H503B	22-45-9072	A-7720-C07H503B		A-7720-D07H503B		A-7720-E07H503B	22-45-9077	A-7720-F07H503B
	A-7720-A08H503B		A-7720-B08H503B	22-45-9082	A-7720-C08H503B		A-7720-D08H503B		A-7720-E08H503B	22-45-9087	A-7720-F08H503B
	A-7720-A09H503B		A-7720-B09H503B	22-45-9092	A-7720-C09H503B		A-7720-D09H503B		A-7720-E09H503B		A-7720-F09H503B
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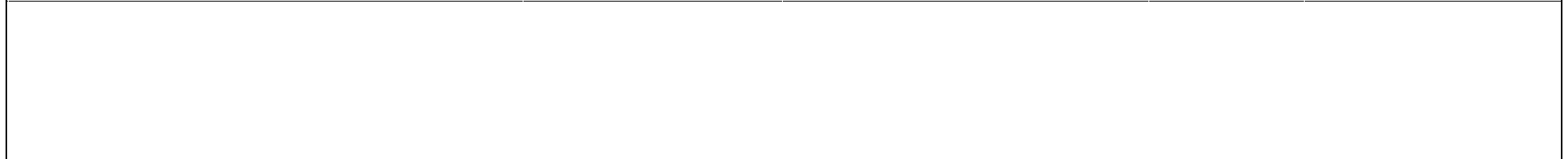
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>13</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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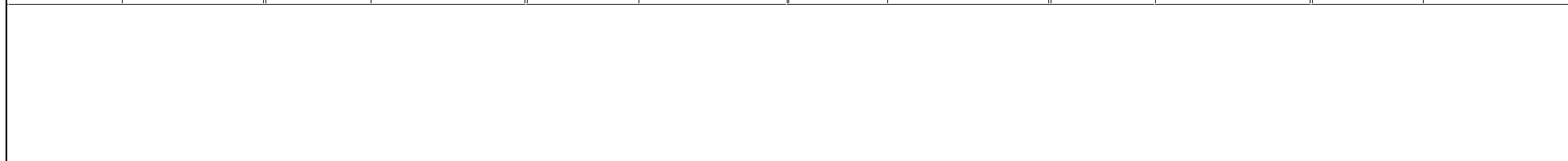
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REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>14</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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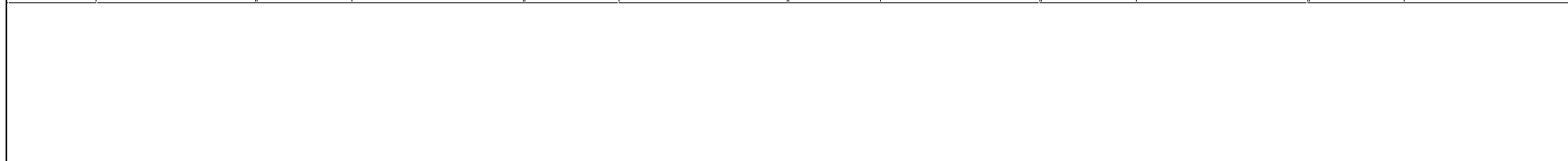
A-7720-ANH208B		A-7720-BNH208B		A-7720-CNH208B		A-7720-DNH208B		A-7720-ENH208B		A-7720-FNH208B	
HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN	HOUSING	7720-DN	HOUSING	7720-EN	HOUSING	7720-FN
TERM. NO	41138-H208	TERM. NO	41138-H208	TERM. NO	41138-H208	TERM. NO	41138-H208	TERM. NO	41138-H208	TERM. NO	41138-H208
PLATING:	208	PLATING:	208	PLATING:	208	PLATING:	208	PLATING:	208	PLATING:	208
COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN
MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
	A-7720-A02H208B		A-7720-B02H208B	22-45-5023	A-7720-C02H208B		A-7720-D02H208B		A-7720-E02H208B	22-45-9028	A-7720-F02H208B
	A-7720-A03H208B		A-7720-B03H208B	22-45-5033	A-7720-C03H208B		A-7720-D03H208B		A-7720-E03H208B	22-45-9038	A-7720-F03H208B
	A-7720-A04H208B		A-7720-B04H208B	22-45-5043	A-7720-C04H208B		A-7720-D04H208B		A-7720-E04H208B	22-45-9048	A-7720-F04H208B
	A-7720-A05H208B		A-7720-B05H208B	22-45-5053	A-7720-C05H208B		A-7720-D05H208B		A-7720-E05H208B	22-45-9058	A-7720-F05H208B
	A-7720-A06H208B		A-7720-B06H208B	22-45-5063	A-7720-C06H208B		A-7720-D06H208B		A-7720-E06H208B	22-45-9068	A-7720-F06H208B
	A-7720-A07H208B		A-7720-B07H208B	22-45-5073	A-7720-C07H208B		A-7720-D07H208B		A-7720-E07H208B	22-45-9078	A-7720-F07H208B
	A-7720-A08H208B		A-7720-B08H208B	22-45-5083	A-7720-C08H208B		A-7720-D08H208B		A-7720-E08H208B	22-45-9088	A-7720-F08H208B
	A-7720-A09H208B		A-7720-B09H208B	22-45-5093	A-7720-C09H208B		A-7720-D09H208B		A-7720-E09H208B	22-45-9098	A-7720-F09H208B
	A-7720-A10H208B		A-7720-B10H208B	22-45-5103	A-7720-C10H208B		A-7720-D10H208B		A-7720-E10H208B	22-45-9108	A-7720-F10H208B
	A-7720-A11H208B		A-7720-B11H208B	22-45-5113	A-7720-C11H208B		A-7720-D11H208B		A-7720-E11H208B	22-45-9118	A-7720-F11H208B
	A-7720-A12H208B		A-7720-B12H208B	22-45-5123	A-7720-C12H208B		A-7720-D12H208B		A-7720-E12H208B	22-45-9128	A-7720-F12H208B
	A-7720-A13H208B		A-7720-B13H208B	22-45-5133	A-7720-C13H208B		A-7720-D13H208B		A-7720-E13H208B	22-45-9138	A-7720-F13H208B
	A-7720-A14H208B		A-7720-B14H208B	22-45-5143	A-7720-C14H208B		A-7720-D14H208B		A-7720-E14H208B	22-45-9148	A-7720-F14H208B
	A-7720-A15H208B		A-7720-B15H208B	22-45-5153	A-7720-C15H208B		A-7720-D15H208B		A-7720-E15H208B	22-45-9158	A-7720-F15H208B
	A-7720-A16H208B		A-7720-B16H208B	22-45-5163	A-7720-C16H208B		A-7720-D16H208B		A-7720-E16H208B	22-45-9168	A-7720-F16H208B
	A-7720-A17H208B		A-7720-B17H208B	22-45-5173	A-7720-C17H208B		A-7720-D17H208B		A-7720-E17H208B	22-45-9178	A-7720-F17H208B
	A-7720-A18H208B		A-7720-B18H208B	22-45-5183	A-7720-C18H208B		A-7720-D18H208B		A-7720-E18H208B	22-45-9188	A-7720-F18H208B
	A-7720-A19H208B		A-7720-B19H208B	22-45-5193	A-7720-C19H208B		A-7720-D19H208B		A-7720-E19H208B	22-45-9198	A-7720-F19H208B
	A-7720-A20H208B		A-7720-B20H208B	22-45-5203	A-7720-C20H208B		A-7720-D20H208B		A-7720-E20H208B	22-45-9208	A-7720-F20H208B
	A-7720-A21H208B		A-7720-B21H208B	22-45-5213	A-7720-C21H208B		A-7720-D21H208B		A-7720-E21H208B	22-45-9218	A-7720-F21H208B
	A-7720-A22H208B		A-7720-B22H208B	22-45-5223	A-7720-C22H208B		A-7720-D22H208B		A-7720-E22H208B	22-45-9228	A-7720-F22H208B
	A-7720-A23H208B		A-7720-B23H208B	22-45-5233	A-7720-C23H208B		A-7720-D23H208B		A-7720-E23H208B	22-45-9238	A-7720-F23H208B
	A-7720-A24H208B		A-7720-B24H208B	22-45-5243	A-7720-C24H208B		A-7720-D24H208B		A-7720-E24H208B	22-45-9248	A-7720-F24H208B
	A-7720-A25H208B		A-7720-B25H208B	22-45-5253	A-7720-C25H208B		A-7720-D25H208B		A-7720-E25H208B	22-45-9258	A-7720-F25H208B
	A-7720-A26H208B		A-7720-B26H208B	22-45-5263	A-7720-C26H208B		A-7720-D26H208B		A-7720-E26H208B	22-45-9268	A-7720-F26H208B
	A-7720-A27H208B		A-7720-B27H208B	22-45-5273	A-7720-C27H208B		A-7720-D27H208B		A-7720-E27H208B	22-45-9278	A-7720-F27H208B
	A-7720-A28H208B		A-7720-B28H208B	22-45-5283	A-7720-C28H208B		A-7720-D28H208B		A-7720-E28H208B	22-45-9288	A-7720-F28H208B



REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>15</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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A-7720-ANH102B		A-7720-BNH102B		A-7720-CNH102B		A-7720-DNH102B		A-7720-ENH102B		A-7720-FNH102B	
HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN	HOUSING	7720-AN	HOUSING	7720-BN	HOUSING	7720-CN
TERM. NO	41138-H102	TERM. NO	41138-H102	TERM. NO	41138-H102	TERM. NO	41138-H102	TERM. NO	41138-H102	TERM. NO	41138-H102
PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102	PLATING:	102
COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN	COLOR	GREEN
MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:	MATL NO	ENG NO:
	A-7720-A02H102B		A-7720-B02H102B		A-7720-C02H102B		A-7720-D02H102B		A-7720-E02H102B	22-26-8025	A-7720-F02H102B
	A-7720-A03H102B		A-7720-B03H102B		A-7720-C03H102B		A-7720-D03H102B		A-7720-E03H102B	22-26-8035	A-7720-F03H102B
	A-7720-A04H102B		A-7720-B04H102B		A-7720-C04H102B		A-7720-D04H102B		A-7720-E04H102B	22-26-8045	A-7720-F04H102B
	A-7720-A05H102B		A-7720-B05H102B		A-7720-C05H102B		A-7720-D05H102B		A-7720-E05H102B	22-26-8055	A-7720-F05H102B
	A-7720-A06H102B		A-7720-B06H102B		A-7720-C06H102B		A-7720-D06H102B		A-7720-E06H102B	22-26-8065	A-7720-F06H102B
	A-7720-A07H102B		A-7720-B07H102B		A-7720-C07H102B		A-7720-D07H102B		A-7720-E07H102B	22-26-8075	A-7720-F07H102B
	A-7720-A08H102B		A-7720-B08H102B		A-7720-C08H102B		A-7720-D08H102B		A-7720-E08H102B	22-26-8085	A-7720-F08H102B
	A-7720-A09H102B		A-7720-B09H102B		A-7720-C09H102B		A-7720-D09H102B		A-7720-E09H102B	22-26-8095	A-7720-F09H102B
	A-7720-A10H102B		A-7720-B10H102B		A-7720-C10H102B		A-7720-D10H102B		A-7720-E10H102B	22-26-8105	A-7720-F10H102B
	A-7720-A11H102B		A-7720-B11H102B		A-7720-C11H102B		A-7720-D11H102B		A-7720-E11H102B	22-26-8115	A-7720-F11H102B
	A-7720-A12H102B		A-7720-B12H102B		A-7720-C12H102B		A-7720-D12H102B		A-7720-E12H102B	22-26-8125	A-7720-F12H102B
	A-7720-A13H102B		A-7720-B13H102B		A-7720-C13H102B		A-7720-D13H102B		A-7720-E13H102B	22-26-8135	A-7720-F13H102B
	A-7720-A14H102B		A-7720-B14H102B		A-7720-C14H102B		A-7720-D14H102B		A-7720-E14H102B	22-26-8145	A-7720-F14H102B
	A-7720-A15H102B		A-7720-B15H102B		A-7720-C15H102B		A-7720-D15H102B		A-7720-E15H102B	22-26-8155	A-7720-F15H102B
	A-7720-A16H102B		A-7720-B16H102B		A-7720-C16H102B		A-7720-D16H102B		A-7720-E16H102B	22-26-8165	A-7720-F16H102B
	A-7720-A17H102B		A-7720-B17H102B		A-7720-C17H102B		A-7720-D17H102B		A-7720-E17H102B	22-26-8175	A-7720-F17H102B
	A-7720-A18H102B		A-7720-B18H102B		A-7720-C18H102B		A-7720-D18H102B		A-7720-E18H102B	22-26-8185	A-7720-F18H102B
	A-7720-A19H102B		A-7720-B19H102B		A-7720-C19H102B		A-7720-D19H102B		A-7720-E19H102B	22-26-8195	A-7720-F19H102B
	A-7720-A20H102B		A-7720-B20H102B		A-7720-C20H102B		A-7720-D20H102B		A-7720-E20H102B	22-26-8205	A-7720-F20H102B
	A-7720-A21H102B		A-7720-B21H102B		A-7720-C21H102B		A-7720-D21H102B		A-7720-E21H102B	22-26-8215	A-7720-F21H102B
	A-7720-A22H102B		A-7720-B22H102B		A-7720-C22H102B		A-7720-D22H102B		A-7720-E22H102B	22-26-8225	A-7720-F22H102B
	A-7720-A23H102B		A-7720-B23H102B		A-7720-C23H102B		A-7720-D23H102B		A-7720-E23H102B	22-26-8235	A-7720-F23H102B
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	A-7720-A26H102B		A-7720-B26H102B		A-7720-C26H102B		A-7720-D26H102B		A-7720-E26H102B	22-26-8265	A-7720-F26H102B
	A-7720-A27H102B		A-7720-B27H102B		A-7720-C27H102B		A-7720-D27H102B		A-7720-E27H102B	22-26-8275	A-7720-F27H102B
	A-7720-A28H102B		A-7720-B28H102B		A-7720-C28H102B		A-7720-D28H102B		A-7720-E28H102B	22-26-8285	A-7720-F28H102B



REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>16</b>
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DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>
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MATL NO	ENG NO:	HOUSING	TERM. NO	PLATING:	MOLDED VOID	TERMINAL VOID	
022421243	A-7720-D24HP909C-13A	7720-D24-13	41512-H(P909)	P909	13	13	
022421213	A-7720-D21HP909C-19A	7720-D21-19	41512-H(P909)	P909	19	19	
022421223	A-7720-D22HP909C-19A	7720-D22-19	41512-H(P909)	P909	19	19	
022421155	A-7720-D15HP909C-5A	7720-D15-5	41512-H(P909)	P909	5	5	
022421156	A-7720-E15HP909B-2B	7720-E15-2	41138-H(P909)	P909	2	NONE	
022421104	A-7720-E10HP909B-9B	7720-E10-9	41138-H(P909)	P909	9	NONE	
022421124	A-7720-E12HP909B-9B	7720-E12-9	41138-H(P909)	P909	9	NONE	
022421144	A-7720-F14HP909B-51B	7720-F14-51	41138-H(P909)	P909	2,3,5,6	NONE	
022421233	A-7720-F23HP909B-2B	7720-F23-2	41138-H(P909)	P909	2	NONE	
022421183	A-7720-F18HP909B-2B	7720-F18-2	41138-H(P909)	P909	2	NONE	
022421135	A-7720-F13HP909B-2B	7720-F13-2	41138-H(P909)	P909	2	NONE	
022421175	A-7720-F17HP909B-51A	7720-F17-51	41138-H(P909)	P909	1,17	1,17	
050290032	A-7720-E17HP909B-51A	7720-E17-51	41138-H(P909)	P909	1,17	1,17	
050291609	A-7720-E21HP909B-51A	7720-E21-51	41138-H(P909)	P909	1,21	NONE	
050291615	A-7720-E19HP909B-51A	7720-E19-51	41138-H(P909)	P909	1, 19	1, 19	

REVISION: <b>AZ2</b>	SEE SHEET 1	TITLE: <b>KK 100 IDT CONNECTOR ASSEMBLY</b>	SHEET No. <b>17</b>
DOCUMENT NUMBER: <b>SD-7720-001</b>	CREATED / REVISED BY: <b>DPETERSON</b>	CHECKED BY: <b>ADERR</b>	APPROVED BY: <b>FSMITH</b>

# ENGINEERING SPECIFICATION

ENGLISH



## WIRE TERMINATION SPECIFICATION

**1.0 SCOPE:**  
THIS SPECIFICATION IS DESIGNED TO INSURE THE PROPER PERFORMANCE OF THE 7720 AND THE 40555 SERIES I.D.T. CONNECTOR SYSTEMS.

**2.0 APPLICABLE DRAWINGS:**  
PRODUCTS CONFORMING TO THIS SPECIFICATION ARE NOTED ON THE INDIVIDUAL SALES DRAWINGS.

**3.0 CONDUCTOR REQUIREMENTS:**

**3.1 CONDUCTOR:**

- 28-24 AWG SOLID TINNED COPPER WIRE
- 28-22 AWG (7 STRAND) CONCENTRIC STRANDED TINNED COPPER WIRE
- 28-24 AWG (7 STRAND) CONCENTRIC STRANDED TOPCOATED OR FUSED COPPER WIRE

**3.2 INSULATION:**

- DISCRETE WIRE:  
UL STYLE 1007 OR 1061 WITH PCV INSULATION. INSULATION DIA. OF (1.52)/.060 MAX. WHEN TERMINATING WIRES ONE POSITION AT A TIME, OR (1.27)/.050 DIA. MAX. WHEN MASS TERMINATING.
- MOLEX CABLE:  
UL STYLE 2651 (STRANDED WIRE MUST HAVE 7 STRANDS) ON (2.54)/.100 CENTERS. MOLEX CABLE NUMBERS 24241, 7767, 8997, 7234, 7307, 24226, 7560, 8996  
SEE FIGURES 1 AND 2 FOR CABLE PREPARATION.

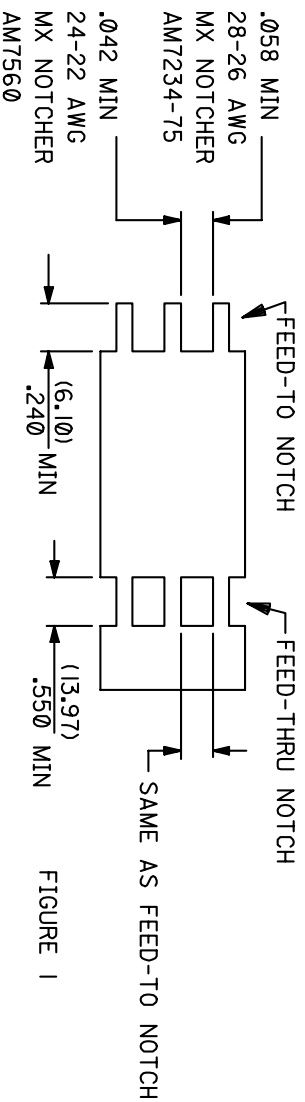
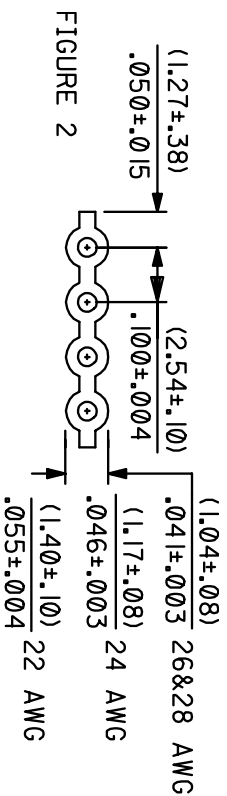


FIGURE 1

SHT	1	2	3	4	5	6														
REVISE ON PC ONLY							<b>TITLE</b>													
D							<b>WIRE TERMINATION SPECIFICATION</b>													
UPDATE EC U50393 9-9-96 SAMIEC							THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DESCRIPTION							WRITTEN BY: SAMIEC													
DESIGN CONTROL							CHECKED BY: R EDGLEY													
LISLE							APPROVED BY: B LENZ													
M							DATE: YR / MO / DAY 96 /02/08													

DOCUMENT NO.	SMES-7720-0002	FILE	77200002	SHT NO.	1 OF 6
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ES-40000-3996 REV. A SHEET 3 95/MAR/10 EC U5-0926 DCBRD03.SAM



4.0 CONDUCTOR REQUIREMENTS: SEE FIGURE 3

4.1 CONDUCTOR SIZE IDENTIFICATION:

- TERMINALS STAMPED WITH THE LETTER "A" ACCEPT MOLEX CABLE NO.'S.
- 7234- 26 AWG SOLID TINNED COPPER      24241- 26 AWG STRANDED TINNED COPPER
- 7307- 28 AWG STRANDED TINNED COPPER      7767- 28 AWG STRANDED TOPCOAT COPPER

TERMINALS STAMPED WITH THE LETTER "A" ACCEPT WIRE THAT MEETS REQUIREMENTS IN SECTION 3.0

- 28 AWG STRANDED TINNED COPPER      28 AWG SOLID TINNED COPPER
- 28 AWG STRANDED TOPCOATED COPPER      26 AWG STRANDED TINNED COPPER
- 26 AWG SOLID TINNED COPPER

TERMINALS STAMPED WITH THE LETTER "H" ACCEPT MOLEX CABLE NO.'S..

- 8996- 26 AWG STRANDED TOPCOATED COPPER
- 8997- 24 AWG STRANDED TOPCOATED COPPER
- 24226- 24 AWG STRANDED TINNED COPPER

TERMINALS STAMPED WITH THE LETTER "H" ACCEPT WIRE THAT MEETS REQUIREMENTS IN SECTION 3.0

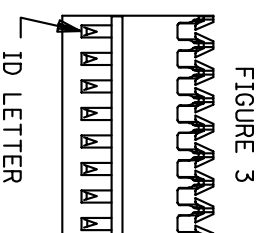
- 24 AWG SOLID TINNED COPPER      26 AWG STRANDED TOPCOATED COPPER
- 24 AWG STRANDED TINNED COPPER      24 AWG STRANDED TOPCOATED COPPER

TERMINALS STAMPED WITH THE LETTER "F" ACCEPT MOLEX CABLE NO.'S.

7560- 22 AWG STRANDED TINNED COPPER

TERMINALS STAMPED WITH THE LETTER "F" ACCEPT WIRE THAT MEETS REQUIREMENTS IN SECTION 3.0 WHEN USED IN ASSEMBLY A-7720-W\*

22 AWG STRANDED TINNED COPPER



D	SEE SHEET 1
REV	DESCRIPTION

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DOCUMENT NO.	SMES-7720-0002	FILE NAME	SHEET
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5.0 MOLEX TERMINATION TOOLING: REQUIRED FOR TERMINATING 22 AWG CONDUCTORS  
 DISCRETE WIRE = CAM4 / 62300-0100

CABLE = AM 8640 / 011-20-0412  
 AM8640B / 011-20-0771

6.0 TERMINATION REQUIREMENTS:

6.1 CABLE INSERTION DEPTH:

CABLE SHOULD BE INSERTED TO DEPTH WHERE THE MOLDED WIRE STRAIN RELIEF'S CAN RETURN TO THEIR NORMAL POSITION, AND A GAP IS MAINTAINED BETWEEN THE WIRE AND THE BOTTOM OF THE STRAIN RELIEF WINDOW, AS SHOWN IN FIGURE 4.

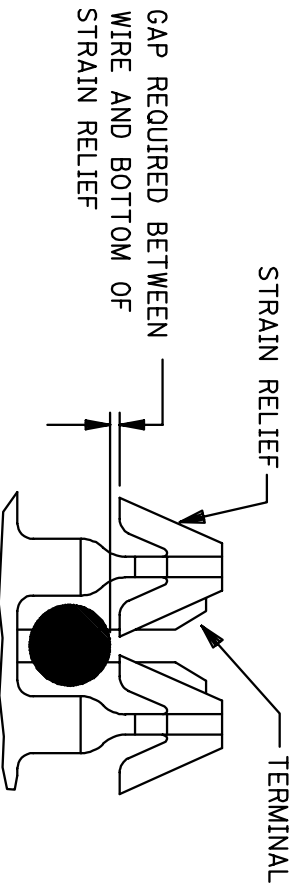


FIGURE 4

6.2 EXPOSED CONDUCTOR  
 EXPOSED CONDUCTORS SHALL NOT EXCEED THE LIMITS SPECIFIED IN  
 FIGURE 5 AFTER TERMINATION

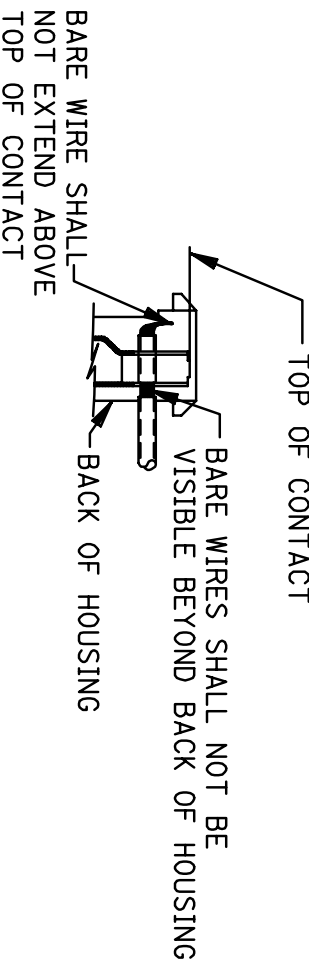


FIGURE 5

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6.3 THE WIRE MUST BE DISPLACED IN BOTH INSULATION DISPLACEMENT SLOTS AND MUST PROTRUDE THROUGH THE SECONDARY SLOT BY (.63)/.025 MIN. AS SHOWN IN FIGURE 6.

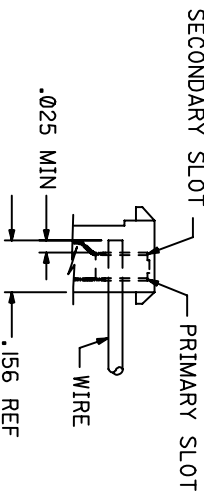


FIGURE 6

6.4 HORIZONTAL PULL OUT FORCE:  
 THE CONNECTOR MUST MAINTAIN THE FOLLOWING MIN. PULL OUT VALUES WHEN A FORCE IS APPLIED AT A RATE OF 1 INCH PER MINUTE TO THE CABLE IN A DIRECTION PERPENDICULAR TO THE INSULATION DISPLACEMENT SECTION, AS SHOWN IN FIGURE 7. (NOTE CABLE MUST BE SLIT TO FORM INDIVIDUAL CONDUCTORS AFTER TERMINATION BUT PRIOR TO TESTING.)

AWG	PULL FORCE
24 AWG	8.0 LBS MIN
26 AWG	4.6 LBS MIN
28 AWG	3.9 LBS MIN

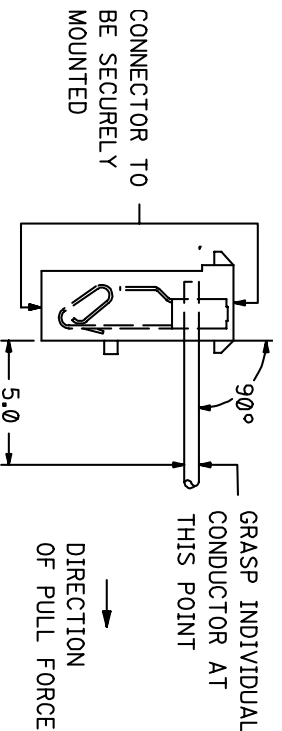


FIGURE 7

6.5 VERTICAL PULL OUT FORCE  
 THE CONNECTOR MUST MAINTAIN THE FOLLOWING MIN. PULL OUT VALUES WHEN A FORCE IS APPLIED AT A RATE OF 1 INCH PER MINUTE TO THE CABLE IN A DIRECTION PARALLEL TO THE INSULATION DISPLACEMENT SECTION, AS SHOWN IN FIGURE 8. (NOTE CABLE MUST BE SLIT TO FORM INDIVIDUAL CONDUCTORS AFTER TERMINATION BUT PRIOR TO TESTING. TEST IS PERFORMED WITHOUT STRAIN RELIEF COVERS.)

AWG	PULL FORCE
22 AWG	TO BE DETERMINED
24 AWG	1.5 LBS MIN.
26 AWG	1.5 LBS MIN.
28 AWG	1.5 LBS MIN.

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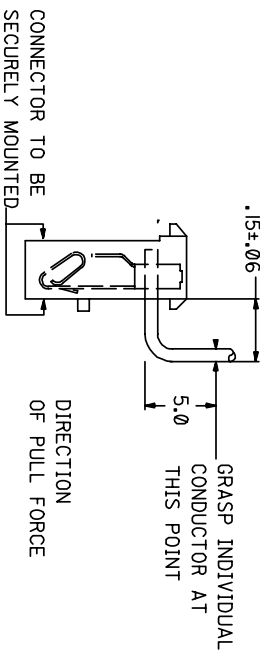


FIGURE 8

**6.6 TORSIONAL RESISTANCE**

CONNECTOR MUST WITHSTAND A MAXIMUM TWIST ON A TERMINATED CABLE OF 130 DEG. WITHOUT DISTURBING THE INSULATION DISPLACEMENT INTERFACE IN THE PRIMARY OR SECONDARY SLOTS (SEE FIGURE 9). ( NOTE CABLE MUST BE SLIT TO FORM INDIVIDUAL CONDUCTORS AFTER TERMINATION BUT PRIOR TO TESTING).

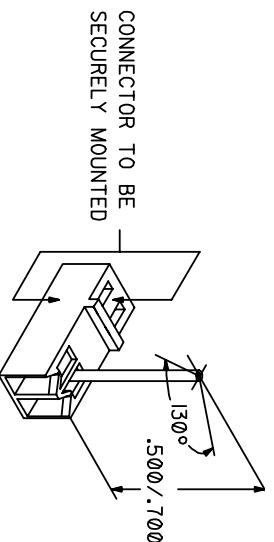


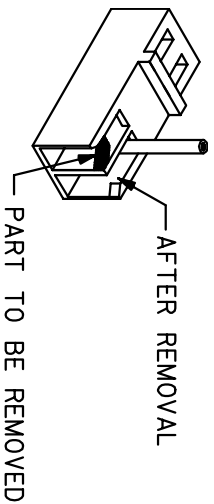
FIGURE 9

**6.7 VISUAL INSPECTION:**

AFTER TERMINATION, INSULATION DISPLACEMENT SECTION OF THE TERMINAL TO BE FREE OF TOOL MARKS FROM TERMINATION EQUIPMENT.

**TERMINATION EVALUATION PROCEDURE**

- STEP 1 STRAIN RELIEF REMOVAL - REMOVE SHADED PORTION OF THE STRAIN RELIEF USING A RAZOR BLADE



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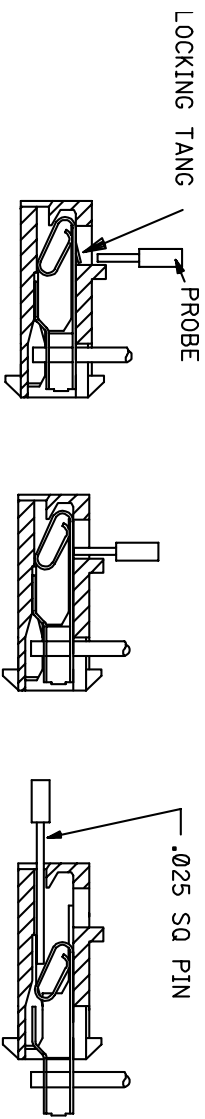
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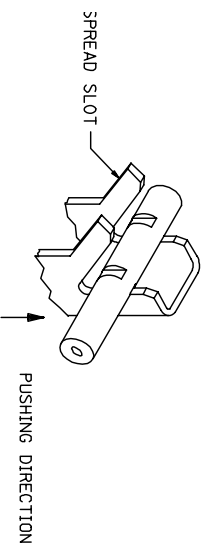
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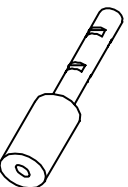
**STEP 2** REMOVAL OF TERMINAL - INSERT PROBE INTO LOCKING TANG WINDOW AND DEPRESS THE LOCKING TANG UNTIL IT CLEARS HOUSING, THEN PUSH THE TERMINAL OUT OF THE HOUSING USING A BLUNT .025 SQ. PIN



**STEP 3** CONDUCTOR REMOVAL - USING A SMALL PAIR OF PLIERS SPREAD THE I.D.T. SLOT AND REMOVE CONDUCTOR BY PUSHING IN DIRECTION SHOWN.



**STEP 4** REMOVING INSULATION - INSULATION TO BE REMOVED WITHOUT DISTURBING I.D.T. AREA



**STEP 5** CONDUCTOR INSPECTION - FOUR DEFORMATION POINTS MUST BE CLEARLY VISIBLE WHEN USING 10X MAGNIFICATION.



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