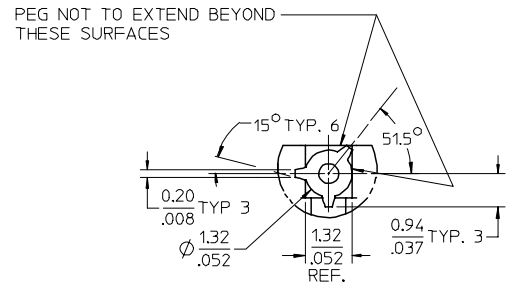
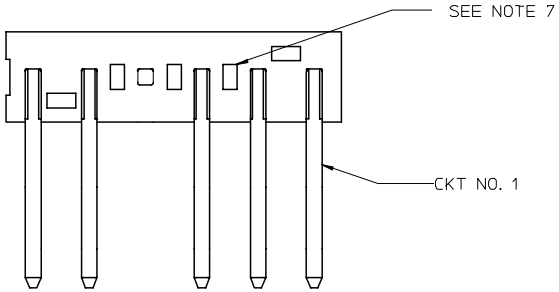
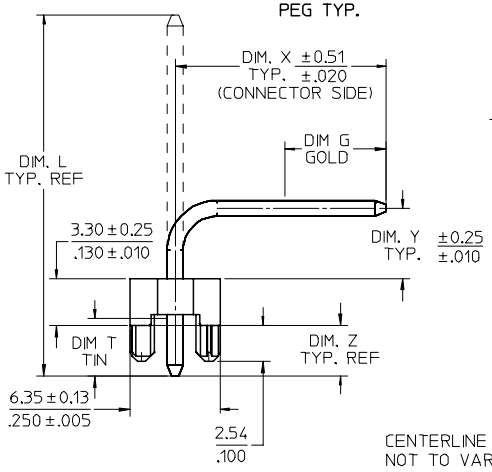
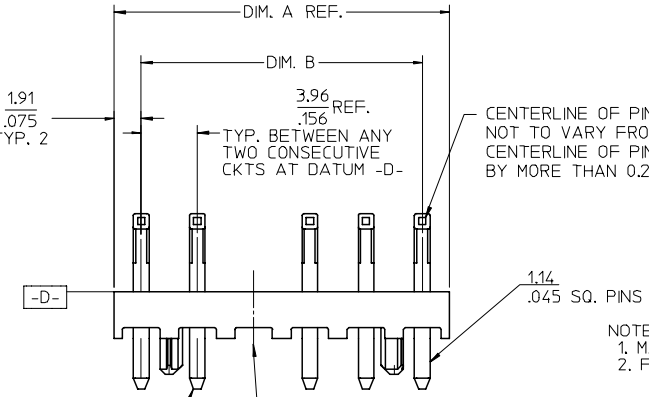


DETAIL "Z"
SCALE 10:1
PEG TYP.

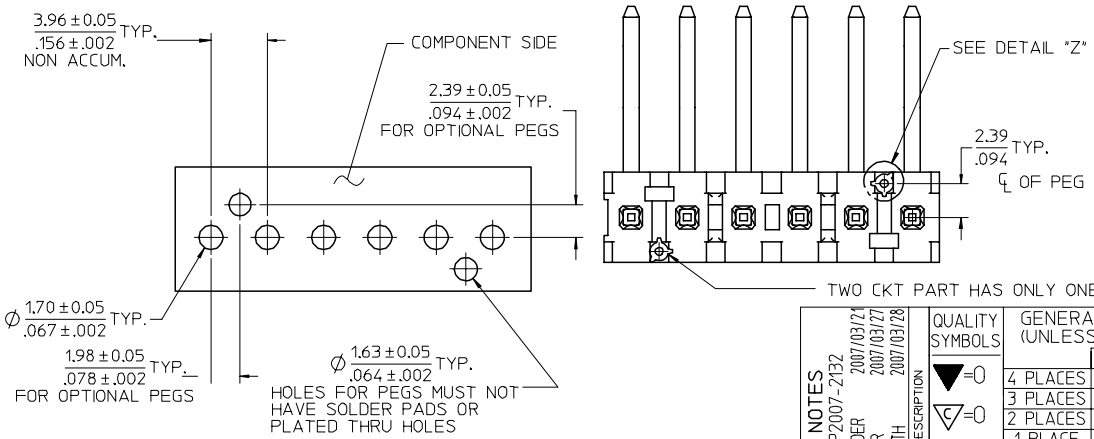






NO. OF CKTS.	DIM. A	DIM. B	NO. OF PEGS
2	7.77 / .306	3.96±0.05 / .156±.002	1
3	11.73 / .462	7.92±0.08 / .312±.003	2
4	15.70 / .618	11.89±0.08 / .468±.003	2
5	19.66 / .774	15.85±0.10 / .624±.004	2
6	23.62 / .930	19.81±0.10 / .780±.004	2
7	27.58 / 1.086	23.77±0.10 / .936±.004	2
8	31.55 / 1.242	27.74±0.13 / 1.092±.005	2
9	35.51 / 1.398	31.70±0.13 / 1.248±.005	2
10	39.47 / 1.554	35.66±0.13 / 1.404±.005	2
11	43.43 / 1.710	39.62±0.15 / 1.560±.006	2
12	47.40 / 1.866	43.59±0.15 / 1.716±.006	2
13	51.36 / 2.022	47.55±0.15 / 1.872±.006	2
14	55.32 / 2.178	51.51±0.18 / 2.028±.007	2
15	59.28 / 2.334	55.47±0.18 / 2.184±.007	2
16	63.25 / 2.490	59.44±0.18 / 2.340±.007	2
17	67.21 / 2.646	63.40±0.20 / 2.496±.008	2
18	71.17 / 2.802	67.36±0.20 / 2.652±.008	2

NOTES:
1. MATERIAL: GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL (WHITE).
2. FINISH: (102) OVERALL TIN: (0.00508)/.000200 MIN. OVER
   COPPER UNDERPLATE: (0.00254)/.000100 MIN.
   (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
   NICKEL UNDERPLATE: (0.00076)/.000030 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.
3. PRODUCT SPECIFICATION: PS-08-50
4. PACKAGING SPECIFICATION: SEE CHARTS
5. PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERS.
6. FOR PARTS WITHOUT PEGS, SEE DRAWING SDA-41772.
7. EXPANSION SLOTS TO BE THRU-SLOTS, AS SHOWN, FOR 4 THRU 18 CKT. PARTS.
8. SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TERMPERATURE OF (230°C) OR 446°F FOR 5 SECONDS, EACH SOLDERED SURFACE SHALL BE A MINIMUM OF 95% COVERED WITH A SMOOTH CONTINUOUS ADHERENT COATING. FOR OTHER INFORMATION SEE SMES-152.
9. PIN PUSH OUT FORCE: PRIOR TO SOLDERING, A 3 POUND MINIMUM FORCE (IN EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
10. 6 CIRCUIT PART SHOWN.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



RECOMMENDED PC BOARD HOLE LAYOUT

FOR CORRECT ORIENTATION OF PARTS WITH VOIDS, ELIMINATE CORRESPONDING PCB HOLE.

SHT.	REV.
2-*	1
1	11

UPDATE NOTES
EC NO: UCP2007-2132 2007/03/21
DRWN:PRIDDER 2007/03/27
CHKD:ADERR 2007/03/28
APPR:FSMITH
DESCRIPTION
REV 11

QUALITY SYMBOLS
▼=0
⊽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SAMIEC	1988/08/19
CHECKED BY	PATEL	1988/08/19
APPROVED BY	LENZ	1988/08/19

TITLE: FLAT HEADER ASSY (3.96)/.156 CENTERS, BENT SQ PINS, W/ PEGS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42472-001
SHEET NO.: 1 OF *
SIZE: C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ENG. NO: A-42472-0002/0018	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	2161-16(102)
PLATING	102
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	N/A
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	OVERALL
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	26-64-3020	A-42472-0002
03	26-64-3030	A-42472-0003
04	26-64-3040	A-42472-0004
05	26-64-3050	A-42472-0005
06	26-64-3060	A-42472-0006
07	26-64-3070	A-42472-0007
08	26-64-3080	A-42472-0008
09	26-64-3090	A-42472-0009
10	26-64-3100	A-42472-0010
11	26-64-3110	A-42472-0011
12	26-64-3120	A-42472-0012
13	26-64-3130	A-42472-0013
14	26-64-3140	A-42472-0014
15	26-64-3150	A-42472-0015
16	26-64-3160	A-42472-0016
17	26-64-3170	A-42472-0017
18	26-64-3180	A-42472-0018

ENG. NO: A-42472-0265/0281	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	43294-0470
PLATING	208
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	(7.11)/.280
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	(4.06)/.160
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	42472-0265	A-42472-0265
03	42472-0266	A-42472-0266
04	42472-0267	A-42472-0267
05	42472-0268	A-42472-0268
06	42472-0269	A-42472-0269
07	42472-0270	A-42472-0270
08	42472-0271	A-42472-0271
09	42472-0272	A-42472-0272
10	42472-0273	A-42472-0273
11	42472-0274	A-42472-0274
12	42472-0275	A-42472-0275
13	42472-0276	A-42472-0276
14	42472-0277	A-42472-0277
15	42472-0278	A-42472-0278
16	42472-0279	A-42472-0279
17	42472-0280	A-42472-0280
18	42472-0281	A-42472-0281

ENG. NO: A-42472-0282/0298	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	43294-0471
PLATING	228
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	(7.11)/.280
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	(4.06)/.160
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	42472-0282	A-42472-0282
03	42472-0283	A-42472-0283
04	42472-0284	A-42472-0284
05	42472-0285	A-42472-0285
06	42472-0286	A-42472-0286
07	42472-0287	A-42472-0287
08	42472-0288	A-42472-0288
09	42472-0289	A-42472-0289
10	42472-0290	A-42472-0290
11	42472-0291	A-42472-0291
12	42472-0292	A-42472-0292
13	42472-0293	A-42472-0293
14	42472-0294	A-42472-0294
15	42472-0295	A-42472-0295
16	42472-0296	A-42472-0296
17	42472-0297	A-42472-0297
18	42472-0298	A-42472-0298

ENG. NO: A-42472-0036/0052	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	2161-52(102)
PLATING	102
DIM. L	(27.00)/1.063
DIM. X	(16.51)/.650
DIM. G (GOLD)	N/A
DIM. Y	(4.95)/.195
DIM. Z	(3.51)/.138
DIM. T (TIN)	OVERALL
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02		A-42472-0036
03		A-42472-0037
04		A-42472-0038
05		A-42472-0039
06	26-64-3061	A-42472-0040
07		A-42472-0041
08		A-42472-0042
09		A-42472-0043
10	26-64-3101	A-42472-0044
11		A-42472-0045
12		A-42472-0046
13		A-42472-0047
14		A-42472-0048
15		A-42472-0049
16		A-42472-0050
17		A-42472-0051
18		A-42472-0052

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
I	EC No: **UCP2007-0341** DATE: **2006-08-07**	FLAT HEADER ASSEMBLY (3.96)/.156 CENTERS BENT SQ PINS, W/ PEGS	**- 2 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42472-001	**PRIDDER**	**ADERR**	**FSMITH**

ENG. NO: A-42472-0299/0315	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	43294-0524
PLATING	208
DIM. L	(26.92)/1.060
DIM. X	(16.51)/.650
DIM. G (GOLD)	(8.77)/.345
DIM. Y	(4.95)/.195
DIM. Z	(3.43)/.135
DIM. T (TIN)	(5.08)/.200
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	42472-0299	A-42472-0299
03	42472-0300	A-42472-0300
04	42472-0301	A-42472-0301
05	42472-0302	A-42472-0302
06	42472-0303	A-42472-0303
07	42472-0304	A-42472-0304
08	42472-0305	A-42472-0305
09	42472-0306	A-42472-0306
10	42472-0307	A-42472-0307
11	42472-0308	A-42472-0308
12	42472-0309	A-42472-0309
13	42472-0310	A-42472-0310
14	42472-0311	A-42472-0311
15	42472-0312	A-42472-0312
16	42472-0313	A-42472-0313
17	42472-0314	A-42472-0314
18	42472-0315	A-42472-0315

ENG. NO: A-42472-0316/0332	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	43294-0525
PLATING	228
DIM. L	(26.92)/1.060
DIM. X	(16.51)/.650
DIM. G (GOLD)	(8.77)/.345
DIM. Y	(4.95)/.195
DIM. Z	(3.43)/.135
DIM. T (TIN)	(5.08)/.200
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	42472-0316	A-42472-0316
03	42472-0317	A-42472-0317
04	42472-0318	A-42472-0318
05	42472-0319	A-42472-0319
06	42472-0320	A-42472-0320
07	42472-0321	A-42472-0321
08	42472-0322	A-42472-0322
09	42472-0323	A-42472-0323
10	42472-0324	A-42472-0324
11	42472-0325	A-42472-0325
12	42472-0326	A-42472-0326
13	42472-0327	A-42472-0327
14	42472-0328	A-42472-0328
15	42472-0329	A-42472-0329
16	42472-0330	A-42472-0330
17	42472-0331	A-42472-0331
18	42472-0332	A-42472-0332

ENG. NO: A-42472-0019/0035	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	2161-16(501)
PLATING	501
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	OVERALL
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	N/A
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02	26-65-3020	A-42472-0019
03	26-65-3030	A-42472-0020
04	26-65-3040	A-42472-0021
05	26-65-3050	A-42472-0022
06	26-65-3060	A-42472-0023
07	26-65-3070	A-42472-0024
08	26-65-3080	A-42472-0025
09	26-65-3090	A-42472-0026
10	26-65-3100	A-42472-0027
11	26-65-3110	A-42472-0028
12	26-65-3120	A-42472-0029
13	26-65-3130	A-42472-0030
14	26-65-3140	A-42472-0031
15	26-65-3150	A-42472-0032
16	26-65-3160	A-42472-0033
17	26-65-3170	A-42472-0034
18	26-65-3180	A-42472-0035

ENG. NO: A-42472-0053/0069	
HEADER NUMBER	41770-0019/0035
PIN NUMBER	2161-52(501)
PLATING	501
DIM. L	(27.00)/1.063
DIM. X	(16.51)/.650
DIM. G (GOLD)	OVERALL
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.138
DIM. T (TIN)	N/A
ANGLE W	90°
VOID CKTS	NONE
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02		A-42472-0053
03		A-42472-0054
04		A-42472-0055
05		A-42472-0056
06		A-42472-0057
07		A-42472-0058
08		A-42472-0059
09		A-42472-0060
10		A-42472-0061
11		A-42472-0062
12		A-42472-0063
13		A-42472-0064
14		A-42472-0065
15		A-42472-0066
16		A-42472-0067
17		A-42472-0068
18		A-42472-0069

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
I	EC No: **UCP2007-0341** DATE: **2006-08-07**	FLAT HEADER ASSEMBLY (3.96)/.156 CENTERS BENT SQ PINS, W/ PEGS	**- 3 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42472-001	**PRIDDER**	**ADERR**	**FSMITH**

ENG. NO: A-42472-0155/0171		
HEADER NUMBER	41770-0019/0035	
PIN NUMBER	2161-16(102)	
PLATING	102	
DIM. L	(25.40)/1.000	
DIM. X	(14.86)/.585	
DIM. G (GOLD)	N/A	
DIM. Y	(4.95)/.195	
DIM. Z	(3.56)/.140	
DIM. T (TIN)	OVERALL	
ANGLE W	90°	
VOID CKTS	2	
PACKAGING	PK-42472-002 (BULK)	
CKTS	EDP NO.	ENG. NO.
02		
03	26-62-3030	A-42472-0156
04	26-62-3040	A-42472-0157
05	26-62-3050	A-42472-0158
06	26-62-3060	A-42472-0159
07	26-62-3070	A-42472-0160
08	26-62-3080	A-42472-0161
09	26-62-3090	A-42472-0162
10	26-62-3100	A-42472-0163
11	26-62-3110	A-42472-0164
12	26-62-3120	A-42472-0165
13	26-62-3130	A-42472-0166
14	26-62-3140	A-42472-0167
15	26-62-3150	A-42472-0168
16	26-62-3160	A-42472-0169
17	26-62-3170	A-42472-0170
18	26-62-3180	A-42472-0171

ENG. NO: A-42472-0189/0200		
HEADER NUMBER	41770-0019/0035	
PIN NUMBER	2161-16(102)	
PLATING	102	
DIM. L	(25.40)/1.000	
DIM. X	(14.86)/.585	
DIM. G (GOLD)	N/A	
DIM. Y	(4.95)/.195	
DIM. Z	(3.56)/.140	
DIM. T (TIN)	OVERALL	
ANGLE W	90°	
VOID CKTS	7	
PACKAGING	PK-42472-002 (BULK)	
CKTS	EDP NO.	ENG. NO.
02		
03		
04		
05		
06		
07		A-42472-0189
08		A-42472-0190
09		A-42472-0191
10	26-62-3106	A-42472-0192
11		A-42472-0193
12		A-42472-0194
13		A-42472-0195
14		A-42472-0196
15		A-42472-0197
16		A-42472-0198
17		A-42472-0199
18		A-42472-0200

ENG. NO: A-42472-0201/0217		
HEADER NUMBER	41770-0019/0035	
PIN NUMBER	2161-23(102)	
PLATING	102	
DIM. L	(31.24)/1.230	
DIM. X	(20.70)/.815	
DIM. G (GOLD)	N/A	
DIM. Y	(4.95)/.195	
DIM. Z	(3.56)/.140	
DIM. T (TIN)	OVERALL	
ANGLE W	90°	
VOID CKTS		
PACKAGING	PK-42472-002 (BULK)	
CKTS	EDP NO.	ENG. NO.
02		A-42472-0201
03		A-42472-0202
04		A-42472-0203
05		A-42472-0204
06		A-42472-0205
07		A-42472-0206
08		A-42472-0207
09		A-42472-0208
10		A-42472-0209
11		A-42472-0210
12		A-42472-0211
13		A-42472-0212
14		A-42472-0213
15	26-62-3157	A-42472-0214
16		A-42472-0215
17		A-42472-0216
18		A-42472-0217

ENG. NO: A-42472-0218/0234		
HEADER NUMBER	41770-0019/0035	
PIN NUMBER	2161-62 (102)	
PLATING	102	
DIM. L	(24.89)/.980	
DIM. X	(14.86)/.585	
DIM. G (GOLD)	N/A	
DIM. Y	(4.45)/.175	
DIM. Z	(3.56)/.140	
DIM. T (TIN)	OVERALL	
ANGLE W	90°	
VOID CKTS		
PACKAGING	PK-42472-002 (BULK)	
CKTS	EDP NO.	ENG. NO.
02	26-62-3028	A-42472-0218
03	26-62-3038	A-42472-0219
04	26-62-3048	A-42472-0220
05	26-62-3058	A-42472-0221
06	26-62-3068	A-42472-0222
07	26-62-3078	A-42472-0223
08	26-62-3088	A-42472-0224
09	26-62-3098	A-42472-0225
10	26-62-3108	A-42472-0226
11	26-62-3118	A-42472-0227
12	26-62-3128	A-42472-0228
13	26-62-3138	A-42472-0229
14	26-62-3148	A-42472-0230
15	26-62-3158	A-42472-0231
16	26-62-3168	A-42472-0232
17	26-62-3178	A-42472-0233
18	26-62-3188	A-42472-0234

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
I	EC No: **UCP2007-0341** DATE: **2006-08-07**	FLAT HEADER ASSEMBLY (3.96)/.156 CENTERS BENT SQ PINS, W/ PEGS	**- 4 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42472-001	**PRIDDER**	**ADERR**	**FSMITH**

ENG. NO: A-42472-0235/0248	
HEADER NUMBER	41770-0022/0035
PIN NUMBER	2161-16(501)
PLATING	501
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	OVERALL
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	N/A
ANGLE W	90°
VOID CKTS	5
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02		
03		
04		
05	42472-0235	A-42472-0235
06	42472-0236	A-42472-0236
07	42472-0237	A-42472-0237
08	42472-0238	A-42472-0238
09	42472-0239	A-42472-0239
10	42472-0240	A-42472-0240
11	42472-0241	A-42472-0241
12	42472-0242	A-42472-0242
13	42472-0243	A-42472-0243
14	42472-0244	A-42472-0244
15	42472-0245	A-42472-0245
16	42472-0246	A-42472-0246
17	42472-0247	A-42472-0247
18	42472-0248	A-42472-0248

ENG. NO: A-42472-0249/0264	
HEADER NUMBER	41770-0020/0035
PIN NUMBER	2161-16(102)
PLATING	102
DIM. L	(25.40)/1.000
DIM. X	(14.86)/.585
DIM. G (GOLD)	N/A
DIM. Y	(4.95)/.195
DIM. Z	(3.56)/.140
DIM. T (TIN)	OVERALL
ANGLE W	90°
VOID CKTS	3
PACKAGING	PK-42472-002 (BULK)

CKTS	EDP NO.	ENG. NO.
02		
03	42472-0249	A-42472-0249
04	42472-0250	A-42472-0250
05	42472-0251	A-42472-0251
06	42472-0252	A-42472-0252
07	42472-0253	A-42472-0253
08	42472-0254	A-42472-0254
09	42472-0255	A-42472-0255
10	42472-0256	A-42472-0256
11	42472-0257	A-42472-0257
12	42472-0258	A-42472-0258
13	42472-0259	A-42472-0259
14	42472-0260	A-42472-0260
15	42472-0261	A-42472-0261
16	42472-0262	A-42472-0262
17	42472-0263	A-42472-0263
18	42472-0264	A-42472-0264

ENG. NO:	
HEADER NUMBER	
PIN NUMBER	
PLATING	
DIM. L	
DIM. X	
DIM. G (GOLD)	
DIM. Y	
DIM. Z	
DIM. T (TIN)	
ANGLE W	
VOID CKTS	
PACKAGING	

CKTS	EDP NO.	ENG. NO.
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		

ENG. NO:	
HEADER NUMBER	
PIN NUMBER	
PLATING	
DIM. L	
DIM. X	
DIM. G (GOLD)	
DIM. Y	
DIM. Z	
DIM. T (TIN)	
ANGLE W	
VOID CKTS	
PACKAGING	

CKTS	EDP NO.	ENG. NO.
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		

REV:	ECR/ECN INFORMATION	TITLE:	SHEET No.
I	EC No: **UCP2007-0341** DATE: **2006-08-07**	FLAT HEADER ASSEMBLY (3.96)/.156 CENTERS BENT SQ PINS, W/ PEGS	**- 5 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD-42472-001	**PRIDDER**	**ADERR**	**FSMITH**