# **Molex 34690-0201 PDF**

深圳创唯电子有限公司

http://www.molex-connect.com

_										
	PACKAGING BILL OF MATERIAL									
ITEM			QTY/	QTY/						
NO.	WATERIAL NO.	DESCRIPTION	PACK	PALLET (MAX)						
1	0967080015	SHIPPING CARTON	1	24						
2	0313008990	CLOSURE PIN	A/R	A/R						
3	0313008960	PLASTIC TRAY	8	192						
4	0967200208	CORRUGATED PAD	1	24						
5		ID LABEL	1	24						
6	0982990038	PALLET		1						

16

15

14

13

6

12

11

10

9

19

18

17



RELEASE STATUS	P1	RELEASE DA	TE 20	19/04/27 (	02:14:02				
FORMAT: master-tb-prod-D REVISION: G DATE: 2017/02/06 19		18		17		16	15	14	

QUALITY	THIS DRAWING	G CONTAINS INFO	RMATION TH
SYMBOLS	/22 /26	GEN	ERAL
<b>F</b> = 0	019/02 019/04	6 (UNLESS S	ANCES SPECIFIED)
<b>FC</b> = 0	Ñ Ñ	ANGULAR T	OL ± 1.0
<b>F</b> = 0		4 PLACES	±
= 0		3 PLACES	±
	7 26 G05	a 2 PLACES	±
= 0	1621 1U22 YAN(	어 1 PLACE	±
= 0	B L O		±
= 0	EC NC DRWN CHK'E	DRAFT WHER	E APPLICABL
<u> </u>	D2	WITHIN DI	MENSIONS
7		6	

- 9) PLACE CORRUGATI 10) FOLD TOP CARTON 11) APPLY ID LABEL TO 12) WHEN QUANTITIES MINIMUM NUMBER O
- 8) PLACE EMPTY TRA
- 7) REPEAT STEPS 3-6
- 6) PLACE TRAY INTO (
- 5) ASSEMBLE CLOSU PACKAGING DATA (
- BY MATERIAL NUME 5) ASSEMBLE CLOSU
- 4) FILL TRAY WITH HE
- 3) PACKAGE HEADER
- 2) PACKAGE AS SHOW
- 1) FOLD UP CARTON

VERTICAL ANGLE HEADER

NOTES:



12	11	10	9	8	7	6

				J
DETAIL SCALE 1	1 :1			Н
				G
AND TAPE BOTTOM FLAPS C WN AND PER CHARTS	LOSED			F
RS INTO TRAY AS SHOWN IN E EADERS PER QTY SHOWN IN BER JRE PIN TO TRAY IN THE INDIC	DETAIL PACKA CATED I	1 GING DATA CHART LOCATION PER THE	· · · · · · · · · · · · · · · · · · ·	E
CARTON 6 FOR A TOTAL OF 7 FILLED T AY ON TOP TED PAD(S) ON TOP OF EMPT	` TRAYS Y TRAY	TO FILL CARTON		D
N FLAPS CLOSED AND TAPE O CARTON AS REQUIRED S PERMIT, PLACE CARTONS ( OF CARTON PER PALLET IS 6	ONTO P	ALLET		С
MATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC         RAL       DIMENSION UNITS       SCALE         ANCES       DIMENSION UNITS       SCALE         ANCES       mm       1:1         DL ±       1.0       DRWN BY       DATE         JNORTHRO       2007/11/20         ±       CHK'D BY       DATE         ±       D. DHIEL DS       2007/11/20	STAC	PACKAGING ASSE	WITHOUT WRITTEN PERMISSION	в
±     P.PHELPS     2007/11/20       ±     APPR BY     DATE       ±     JNORTHRO     2007/11/20       ±     DRAWING SIZE     THIRD ANGLE PROJECTION	SERIES 31300	PACKAGING DESIGN MATERIAL NUMBER SEE TABLE	DRAWING CUSTOMER GENERAL MARKET	Α

 $\oplus$  =

D

DOCUMENT NUMBER

PK-31300-892

DOC TYPEDOC PARTSHEET NUMBERPDD0011 OF 4

PRODUCT ORIENTATION

1

RIGHT ANGLE HEADER

4







RELEASE STATUSP1RELEASE DATE2019/04/2702:14:02

# SEE DETAIL3

# SEE DETAIL2

14

12		<u>11   10</u>	HEADE	R ASSEMBLY PACKAGINO	G DATA BY M	ATERIAL N		4	3	21	
	QTY/						CLOSURE		QTY/		L
QTY/						QTY/		QTY/			
	FALLET	MATERIAL NO.	ORIENTATION	DESCRIPTION	CIRCUITS	TRAY		CARTON	FALLEI		
	(MAX)						LOCATION		(MAX)		
1008	24192	0347082000	RIGHT ANGLE	2 BAY STACKED HEADER	20X20	40	NONE	280	6720		
/84	18816	0347082001	RIGHT ANGLE	2 BAY STACKED HEADER	20x20	40	NONE	280	6720		
616	14784	0347082002		2 BAY STACKED HEADER	20X20	40	NONE	280	6720		K
560	13440	0347082003	RIGHT ANGLE	2 BAY STACKED HEADER	20X8	48	NONE	336	8064		
1008	24192	0347082004	RIGHT ANGLE	2 BAY STACKED HEADER	20X12	48	NONE	336	8064		
784	18816	0347082005	RIGHT ANGLE	2 BAY STACKED HEADER	14X20	40	NONE	280	6720		
616	14784	0347082006		2 BAY STACKED HEADER	16X20	40		280	6720		
560	13440	0347082007		2 BAY STACKED HEADER	16X20	40	NONE	280	6720		
560	13440	0347082008			20X20	40	NONE	280	6720		
560	13440	0347082009			8X8	/2	NONE	504	12096		
560	13440	0347082010			12x10	48	NONE	330	6720		
500	13440	0347082011			20X20	40	NONE	200	6720		
560	13440	0347082012			10820	40	NONE	280	0720		
560	13440	0347082013			12X20	48		330	6720		Н
616	14784	0347082014			14X20	40	NONE	280	6720		
/84	18816	0347082015			14X20	40	NONE	200	0720		
1008	24192	0347082016			12X2U	48	NONE	330	0409		
000	13440	0347082017			12216	20		392	9400		
500	40440	0347082010		2 BAY STACKED HEADER	20X12	40		336	8064		
560	13440	0347082020	RIGHT ANGLE		10X16	40	A	280	6720		G
704	14784	0347082020			16X16	/8		200	8064		
/ 84	10010	0347082021	RIGHT ANGLE		20X10	40		280	6720		
		0347082023	RIGHT ANGLE		20X20	40	NONE	200	6720		
		0347082023			8X10	40	Δ	200	8064		
		0347082025	RIGHT ANGLE		8X10	48	A	336	8064		F
		0347082026			16X20	40	B	280	6720		
		0347082027	RIGHT ANGLE	2 BAY STACKED HEADER	8X8	72	NONE	504	12096		
➡ 31.56 ➡		0347082028			16X8	56	NONE	302	9408		
		0347082020			12X12	56	NONE	302	0400		
		0347082029	RIGHT ANGLE		10X10	40	NONE	280	6720		
		0347082040	RIGHT ANGLE		20X8	48	A	336	8064		E
		0347082050		2 BAY STACKED HEADER	20X16	40	NONE	280	6720		
	N	0347082060	RIGHT ANGLE	2 BAY STACKED HEADER	10X16	40	NONE	280	6720		
		0347082070	RIGHT ANGLE	2 BAY STACKED HEADER	16X12	48	A	336	8064		
		0347082080	RIGHT ANGLE	2 BAY STACKED HEADER	16X12	48	NONE	336	8064		
		0347082090	RIGHT ANGLE	2 BAY STACKED HEADER	16X16	48	NONE	336	8064		
		0347082031	RIGHT ANGLE	2 BAY STACKED HEADER	12X12	56	NONE	392	9408		
		0347082036	RIGHT ANGLE	2 BAY STACKED HEADER	16X8	56	NONE	392	9408		
		0347082045	RIGHT ANGLE	2 BAY STACKED HEADER	14X20	40	NONE	280	6720		
DETAIL3		0347082046	RIGHT ANGLE	2 BAY STACKED HEADER	14X20	40	NONE	280	6720		
		- CLOSURE PIN F	POSITIONS	NOTE: CLOSU TRAY CHA	RE PIN IS US NNELS WHE	ED TO FILI N PARTS A	L IN EXCESS	IVE VOID SP	ACE IN		С
				QUALITY			HAT IS PROPRIETARY TO	D MOLEX ELECTRONIC	TECHNOLOGIES, LLC	AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISS	ION
					//02/2 //04/2		mm	1.1		moley®	
					10) 2019 2019 2019	NLEOO OPECIFIEL	DRWN BY	DATE			В
	/				ANG	GULAR TOL ± 1.0		2007/11/20			
					4 Pl	LACES ±	СНК'Д ВҮ	DATE	STAC64 HE	ADERS VERTICAL AND RIGHT ANGLE	
				= 0	ים בי ער איז		P.PHELPS	2007/11/20			
ev Ni							APPR BY	DATE			



SCALE 1:1



S	1±										
_		APPR BY	DATE								
=	+				PACKAGING DESIGN DRAWING						
-	-		2002/11/20	SEDIES					ED		
s	+		2001/11/20	SERIES				0031010			
.0	-	DRAWING SIZE	THIRD ANGLE PROJECTION								
			THIRD ANGLE THOULDHON	31300	SE	E TABLE		GE	NERAL MARKET		
IERE	APPLICABLE										
ST RE	ST REMAIN			DOCUMENT NUMBER		DOC TYPE	DOC PAR	RT SHEET NUMBER			
N DIMENSIONS			Ŷ ─	Pł	<-31300-89	2	PDD	001	2 OF 4		
	5		4		3		2		1		

							]		HEAD	ER ASSEMBLY PACKAGING	B DATA BY MA		NUMBER		
ATERIAL NO		ER ASSEMBLY PACKAGIN	IG DATA BY MA	TERIAL N QTY/	NUMBER CLOSURE PIN	QTY/	QTY/ PALLET	MATERIAL NO.	ORIENTATION	DESCRIPTION	CIRCUITS	QTY/ TRAY	CLOSURE PIN	QTY/ CARTON	QTY/ PALLET (MAX)
				TRAY	I OCATION	CARTON	(MAX)	0347083000	RIGHT ANGLE	3 BAY STACKED HEADER	16x16x8	32	В	224	5376
0247072000	VERTICAL		20X20	40	NONE	280	6720	0347083001	RIGHT ANGLE	3 BAY STACKED HEADER	20x20x12	24	D	168	4032
0347072000	VERTICAL	2 BAY STACKED HEADER	20X20	40	NONE	200	6720	0347083003			20220214	24	D	168	4032
0347072001	VERTICAL		20X20	40	NONE	200	6720	0347083002		3 BAY STACKED HEADER	10×16×8	24	B	004	5276
0347072002	VERTICAL		12/20	40	NONE	200	8720	0047000000			20/20/240	52		224	4020
0347072004	VERTICAL	2 BAY STACKED HEADER	12X10	40	NONE	336	8064	0347083010		3 BAY STACKED HEADER	10X20X20	24	C	168	4032
0347072006	VERTICAL	2 BAY STACKED HEADER	12X10	40	NONE	336	8064	0347083020			10X20X20	24	B	168	4032
0347072007	VERTICAL	2 BAY STACKED HEADER	10X20	40	NONE	280	6720	0347083021		3 BAY STACKED HEADER	20X16X10	24	<u> </u>	168	4032
0347072012	VERTICAL	2 BAY STACKED HEADER	10X20	40	NONE	280	6720	0347083022	RIGHT ANGLE	3 BAY STACKED HEADER	16X12X10	32	NONE	224	5376
0347072012	VERTICAL	2 BAY STACKED HEADER	20X10	40	NONE	280	6720	0347083040		3 BAY STACKED HEADER	20X8X10	32	NONE	224	5376
0347072023	VERTICAL	2 BAY STACKED HEADER	20X20	40	NONE	280	6720	0347083050		3 BAY STACKED HEADER	10X16X16	24		168	4032
0347072020	VERTICAL		10X10	40	NONE	280	6720	0347083060	RIGHT ANGLE	3 BAY STACKED HEADER	16X20X20	24	C	168	4032
0347072030	VERTICAL	2 BAY STACKED HEADER	12X12	56	NONE	302	9408	0347083070	RIGHT ANGLE	3 BAY STACKED HEADER	20X20X10	24	B	168	4032
0347072040	VERTICAL	2 BAY STACKED HEADER	20X16	40	A	280	6720	0347083080	RIGHT ANGLE	3 BAY STACKED HEADER	12X12X16	32	B	224	5376
0347072060	VERTICAL	2 BAY STACKED HEADER	20X12	48	NONE	336	8064	0347083081	RIGHT ANGLE	3 BAY STACKED HEADER	20x12x20	24	D	168	4032
0347072070	VERTICAL	2 BAY STACKED HEADER	16X8	56	NONE	302	9408	0347083082	RIGHT ANGLE	3 BAY STACKED HEADER	12X8x8	40	В	280	6720
0347072070	VERTICAL		12/20	40	NONE	000	9064	0347083083	RIGHT ANGLE	3 BAY STACKED HEADER	8x16x16	32	В	224	5376
0347072080	VERTICAL		12X20	48	NONE	330	8064	0347083084	RIGHT ANGLE	3 BAY STACKED HEADER	16x8x8	40	A	280	6720
0347073010	VERTICAL	3 BAY STACKED HEADER	20X8X16	32	A	224	5376	0347083085	RIGHT ANGLE	3 BAY STACKED HEADER	20X20X20	24	В	168	4032
0347073020	VERTICAL	3 BAY STACKED HEADER	16X8X20	32	A	224	5376	0347083086	RIGHT ANGLE	3 BAY STACKED HEADER	20X20x8	32	NONE	224	5376
0347073021	VERTICAL	3 BAY STACKED HEADER	10X20X20	24	В	168	4032	0347083087	RIGHT ANGLE	3 BAY STACKED HEADER	20X16x8	32	A	224	5376
0347073030	VERTICAL	3 BAY STACKED HEADER	12X20X20	24	D	168	4032	0347083088	RIGHT ANGLE	3 BAY STACKED HEADER	12X16X12	32	В	224	5376
0347073040	VERTICAL	3 BAY STACKED HEADER	20X20X20	24	В	168	4032	0347083089	RIGHT ANGLE	3 BAY STACKED HEADER	16X16X20	24	D	168	4032
0347073050	VERTICAL	3 BAY STACKED HEADER	16x16x16	32	NONE	224	5376	0347083090	RIGHT ANGLE	3 BAY STACKED HEADER	16X16X8	27	B	004	
0347073060	VERTICAL	3 BAY STACKED HEADER	20X16X10	24	C	168	4032	0347083091		3 BAY STACKED HEADER	20X12X16	32	NONE	224	5276
0347073070	VERTICAL	3 BAY STACKED HEADER	10X10X10	24	B	168	4032	0347083092		3 BAY STACKED HEADER	12X8X20	32	B	224	5376
0347073090	VERTICAL	3 BAY STACKED HEADER	20X20X8	32	NONE	224	5376	0347083093	RIGHT ANGLE	3 BAY STACKED HEADER	16X16X8	32	B	224	5376
0347074000	VERTICAL	4 BAY STACKED HEADER	20X20X20X20	16	D	112	2688	0347083094	RIGHT ANGLE	3 BAY STACKED HEADER	20X20x8	32	NONE	224	5376
0347074010	VERTICAL	4 BAY STACKED HEADER	12X20X8X16	24	В	168	4032	0347083095	RIGHT ANGLE	3 BAY STACKED HEADER	20X16X12	32	NONE	224	5376
0347073100	VERTICAL	3 BAY STACKED HEADER	14X20X20	24	В	168	4032	0347083096	RIGHT ANGLE	3 BAY STACKED HEADER	16X16X20	24	D	168	4032
								0347083097	RIGHT ANGLE	3 BAY STACKED HEADER	16X12X20	32	NONE	224	5376
0247082006	RIGHT ANGLE	3 ΒΔΥ STACKED HEADER	20X20X20	24	B	400	4022	0347083098	RIGHT ANGLE	3 BAY STACKED HEADER	20X20X20	24	В	168	4032
0347083000			20/20/20	24	D	168	4032	0347083099	RIGHT ANGLE	3 BAY STACKED HEADER	10X20X10	24	В	168	4032
0347063007		3 BAT STACKED HEADER	20212220	24	U	100	4032	0347084000	RIGHT ANGLE	4 BAY STACKED HEADER	20X20X20X20	16	D	112	2688
								0347084010	RIGHT ANGLE	4 BAY STACKED HEADER	12X12X16X8	24	D	168	4032
								0347084011	RIGHT ANGLE	4 BAY STACKED HEADER	16x16x8x10	24	A	168	4032
								0347084012	RIGHT ANGLE	4 BAY STACKED HEADER	8x20x12x12	24	С	168	4032
								0347084013	RIGHT ANGLE	4 BAY STACKED HEADER	16x20x20x20	16	E	112	2688
								0347084014	RIGHT ANGLE	4 BAY STACKED HEADER	8x20x20x10	16	F	112	2688
								0347084015	RIGHT ANGLE	4 BAY STACKED HEADER	20x20x20x8	16	F	112	2688
								0347084016	RIGHT ANGLE	4 BAY STACKED HEADER	20X20x20x12	16	F	112	2688
								0347084017	RIGHT ANGLE	4 BAY STACKED HEADER	20X20X20X20	16	D	112	2688
								0347084018	RIGHT ANGLE	4 BAY STACKED HEADER	20X20X20X16	16	E	112	2688
								0347084020	RIGHT ANGI F	4 BAY STACKED HEADFR	16X8X16X12	24	С	168	4032
								0347084018 0347084020	RIGHT ANGLE	4 BAY STACKED HEADER 4 BAY STACKED HEADER QUALITY SYMBOLS V = 0 V	20X20X20X16         16X8X16X12         CORMATION THAT IS PROP         NERAL       DIMENSIO         SPECIFIED)       DIMENSIO         TOL ±       1.0         S       ±         CHK'D BY         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±         S       ±	16 24 PRIETARY TO MC IN UNITS SCA INM DAT THRO DAT ELPS	E C DLEX ELECTRONIC TECHNO CLE 1:1 1:1 TE 2007/11/20 TE ST 2007/11/20	112 168 DLOGIES, LLC AND SHO PACH FAC64 HEADER	2688 4032 DULD NOT BE USED WITHOUT <b>TOLEX</b> (AGING ASSEMBLY S VERTICAL AND F
											B ± P.PHE	DAT	2007/11/20 E	DACKAC	
											JNOR	THRO	2007/11/20 SERIES		
											5 ± DRAWING	SIZE THIRD AN	IGLE PROJECTION		<b>TAD:</b> -

19

E

D

C

B

A١

14

15

D

 $\bigoplus \vdash$ 

DOCUMENT NUMBER

PK-31300-892

 DOC TYPE
 DOC PART
 SHEET NUMBER

 PDD
 001
 3 OF 4

1

12

11

10

				QTY/	CLOSURE	QTY/	QTY
MATERIAL NO.	ORIENTATION	DESCRIPTION	CIRCUITS	TRAY		CARTON	PALL
0247084020			16220242220	10	EUCATION	110	
0347084030		4 BAY STACKED HEADER	10/20/12/20	10	'	112	2000
0347082043			200120200	10		280	6720
0347082043		2-BAY STAC64 RIGHT ANGLE HEADER	10X10	40	NONE	200	6720
0347082044			2011678710	40	NONE	200	4022
0347084050			20220220212	24 16	E	108	2688
0347084060			12×20×20×20	10	F	112	2000
0347084070	RIGHT ANGLE	4 BAY STACKED HEADER	20x8x20x12	24	A	168	4032
0347084080			12×20×20×20	16	F	140	2002
0347084090			12x20x20x20	10		112	2000
0349972000	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X20	40	NONE	280	6720
0349972001	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X8	48	A	336	8064
0349972002	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X12	48	NONE	336	8064
0349972003	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	8x10	48	A	336	8064
0349972004	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	12x8	64	NONE	448	10752
0349972005	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X20	40	NONE	280	6720
0349972006	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X10	40	NONE	280	6720
0349972009	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X12	48	NONE	336	8064
0349972010	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X8	48	А	336	8064
0349972011	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X8	48	А	336	8064
0349972012	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	12X12	56	NONE	392	9408
0349972013	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	20X20	40	NONE	280	6720
0349972014	RIGHT ANGLE	2 BAY STACKED HEADER	10X10	40	NONE	280	6720
0349972019	RIGHT ANGLE	2 BAY PAP LG PIN STK HRD	12X20	48	NONE	336	8064
0349973000	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	16X16X8	32	В	224	5376
0349973001	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	12X12X16	32	В	224	5376
0349973002	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	16X12X20	32	NONE	224	5376
0349973003	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	16X20X12	32	NONE	224	5376
0349973005	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	16X20X12	32	NONE	224	5376
0349973007	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	20X20X20	24	В	168	4032
0349973009	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	20X20X20	24	В	168	4032
0349973010	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	12X16X20	32	NONE	224	5376
0349973012	RIGHT ANGLE	3 BAY STACKED HEADER	20X20X8	32	NONE	224	5376
0349973013	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	20X20X20	24	В	168	4032
0349974000	RIGHT ANGLE	4 BAY PAP LG PIN STK HRD	16X16X8X10	24	А	168	4032
0349974004	RIGHT ANGLE	4 BAY PAP LG PIN STK HRD	12X12X16X16	24	В	168	4032
0349375000	RIGHT ANGLE	3 BAY PAP LG PIN STK HRD	16X16X8	32	В	224	5376
346903204	VERTICAL	STAC64 20CKT DELETE CAP POL A	20	80	NONE	560	1344(
346903205	VERTICAL	STAC64 20CKT DELETE CAP POL B	20	80	NONE	560	1344(
346903206	VERTICAL	STAC64 20CKT DELETE CAP POL C	20	80	NONE	560	1344(
346903207	VERTICAL	STAC64 20CKT DELETE CAP POL D	20	80	NONE	560	1344(
346903126	VERTICAL	STAC64 12CKT DELETE CAP POL A	12	112	NONE	784	18816
346903127	VERTICAL	STAC64 12CKT DELETE CAP POL B	12	112	NONE	784	18816
346903128	VERTICAL	STAC64 12CKT DELETE CAP POL C	12	112	NONE	784	18816
346903084	VERTICAL	STAC64 8CKT DELETE CAP POL A	8	144	NONE	1008	24192
346903085	VERTICAL	STAC64 8CKT DELETE CAP POL B	8	144	NONE	1008	24192
346903086	VERTICAL	STAC64 8CKT DELETE CAP POL C	8	144	NONE	1008	24192

 RELEASE STATUS
 P1
 RELEASE DATE
 2019/04/27
 02:14:02

KMAT: master-to-prod-D	40	47	10	4 5	4 4	40
ISION: G TU	18	1/	16	1 15	1/	1.4
E: 2017/02/06	10	11	10	10	17	10

18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2
--

7					6	Г
=	0	D2		REV	WITHIN DIM	E
=	0	EC N	CHK'I	APPF	DRAFT WHERE	/
=	0	с г С	ы Ш	Ď	0 PLACES	
<u> </u>	0	16217 -1U22	YANG	CHO	1 PLACE	
	0	9	305	С.	2 PLACES	
	0				3 PLACES	
	0				4 PLACES	
FC =	0	2	2	2	ANGULAR TO	)
F=	0	019/02	019/04	019/04	UNLESS SF	וו כ
SYMBO	DLS	122	./26	./27	GENE	F
QUALI	ΤY	DRAV	VIINC	3 00		

RAL NCES PECIFIED)	DIMENSION UNI	TS SCALE 1:1		r	nc	De		®	
L± 1.0 °	DRWN BY	DATE							E
±	JNORTHR	RO 2007/11/2	20	PAC	CKAGIN	G ASSE	MBL	Y	
±			STAC	64 HEADE	RS VER	TICAL A	and f	RIGHT ANGLE	
±		DATE	.0						
±	JNORTHE	2007/11/2				ESIGN			
±	DRAWING SIZE	THIRD ANGLE PROJECTIO					000101		
APPLICABLE		h —	31300	SEI	E TABLE		GE	ENERAL MARKET	,
ENSIONS	D			NUMBER K-31300-89	2	DOC TYPE PDD	DOC PA	RT SHEET NUMBER	
	5	4		3		2		1	

 QUALITY
 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

 SYMBOLS
 S S S GENERAL
 DIMENSION UNITS
 SCALE



# 1.0 SCOPE

This product specification covers the 2.54 mm (0.100 inch) centerline (pitch) dual row STAC64 unsealed wire to board connection system terminated with 22 to 20 AWG wire using crimp technology.

# 2.0 PRODUCT DESCRIPTION

# 2.1 PRODUCT NAME AND SERIES NUMBERS

Product Name	Series
20 Way Right Angle Header Assembly	34691
16 Way Right Angle Header Assembly	34691
12 Way Right Angle Header Assembly	34691
8 Way Right Angle Header Assembly	34691
NextGEN 20 Way Right Angle Header Assembly	160120
NextGEN 16 Way Right Angle Header Assembly	160120
NextGEN 12 Way Right Angle Header Assembly	160120
NextGEN 8 Way Right Angle Header Assembly	160120
20 Way Vertical Header Assembly	34690
16 Way Vertical Header Assembly	34690
12 Way Vertical Header Assembly	34690
8 Way Vertical Header Assembly	34690
Vertical Header Stacked Assemblies	34707
Right Angle Header Stacked Assemblies	34708
NextGEN Right Angle Header Stacked Assemblies	160136
20 Way Receptacle Connector Assembly	34729
16 Way Receptacle Connector Assembly	34729
12 Way Receptacle Connector Assembly	34729
8 Way Receptacle Connector Assembly	34729

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
1ח	EC No: UAU2015-0402		8-20 CKT CTX		1 of 10
וט	DATE: 2014 / 09 / 11	CONN	ECTION ASSEMB	LY	
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	<u>APPROV</u>	'ED BY:
P	5-34729-020	JAROD FISCHER	TREVOR MACHUGA	RON BA	UMAN
			TEMPLATE FILEN	AME: PRODUCT_SPEC	[SIZE_A](V.1).DOC



# 2.2 ASSOCIATED TERMINALS

Product Description	Vendor Part Number
Molex CTX Large Grip CTX Female Receptacle Terminal (20ga)	34803-3212
Molex CTX Small Grip Female Receptacle Terminal (22ga)	34803-3211

# 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Harness Housings: 30% glass fiber polyester TPAs: 30% glass fiber polyester Header Housing: 30% glass fiber SPS Pins: Copper alloy C26000 Tin Plating: Overall Tin with Nickel under-plate

# 2.3 SAFETY AGENCY APPROVALS

UL File Number	Not Applicable
CSA File Number	Not Applicable
TUV License number	Not Applicable

## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

Description	Document Number
8,12,16, & 20 way right angle sales drawing	SD-34691-100
(charted)	
8,12,16,& 20 way vertical sales drawing	SD-34690-100
(charted)	
8-20 way harness sales drawing (charted)	CU5T-14489-DA
Female 'CTX' Terminal Molex Sales	SD-502306-001
Drawing (charted)	
Tray packaging specification	PK-31300-892
Tube packaging specification	PK-31301-063
Carton packaging specification	PK-31301-201
Application specification	AS-34729-020

					-
<b>REVISION:</b>	ECR/ECN INFORMATION:	TITLE:			SHEET No.
D1	EC No: UAU2015-0402		8-20 CKT CTX		2 of 12
וט	<u>DATE:</u> 2014 / 09 / 11	CONN	ECTION ASSEMB	LY	
DOCUMENT	<u>NUMBER:</u>	CREATED / REVISED BY:	CHECKED BY:	<u>APPROV</u>	/ED BY:
P	S-34729-020	JAROD FISCHER	TREVOR MACHUGA	RON BA	UMAN
			TEMPLATE FILEN	AME: PRODUCT_SPEC	[SIZE_A](V.1).DOC



## 4.0 RATINGS

### 4.1 VOLTAGE

500 VDC MAXIMUM; Per GMW3191, All measured isolation resistances shall be >100M $\Omega$  14 VDC MAXIMUM; Per NDS24012, An initial leak current of  $\leq$  10µA and a post endurance leak current of  $\leq$  1mA.

### 4.2 CURRENT AND APPLICABLE WIRES

Current is dependent on connector size, ambient temperature, blade size and related factors. Actual maximum current rating is application dependent and should be evaluated for each use.

The current listed below is expected to cause a 40°C average temperature rise in a fully populated 20 circuit connection system per RSA 36-05-019 Rev. G requirement.

AWG	Amperes	Wire range Insulation Diameter
20	6.1	1.40 - 1.90 mm (0.055 - 0.075 inch)
22	5.8	1.50 - 1.65 mm (0.059 - 0.065 inch)

### 4.3 TEMPERATURE

Operating:	- 40 Cº to + 105 Cº
Non-operating:	- 40 Cº to + 105 Cº

### 5.0 PERFORMANCE

### 5.1 ELECTRICAL PERFORMANCE

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Contact Resistance (Low Level)	Mate connectors: limiting the open circuit voltage of <b>20</b> mV and a maximum current of <b>100</b> mA.	<b>6</b> milliohms MAXIMUM
2	Contact Resistance @ Rated Current (Voltage Drop)	Mate connectors: apply a <b>5</b> ampere/ <b>1.0</b> mm <sup>2</sup> current	<b>10</b> milliohms MAXIMUM
3	Isolation Resistance	Apply a voltage of <b>500</b> VDC between adjacent terminals and between terminals to ground.	<b>100</b> Meg ohms MINIMUM
4	Temperature Rise (via Current Cycling)	Mate terminals: measure the temperature rise at the rated current after: <b>1008</b> hours of bench top testing ( <b>45</b> minutes ON and <b>15</b> minutes OFF per hour)	Temperature rise over Ambient: <b>+40</b> C° MAXIMUM

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
D1	EC No: UAU2015-0402		8-20 CKT CTX		2 of 12
וט	<u>DATE:</u> 2014 / 09 / 11	CONN	ECTION ASSEMB	LY	<b>3</b> 01 <b>12</b>
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	<u>APPROV</u>	'ED BY:
P	S-34729-020	JAROD FISCHER	TREVOR MACHUGA	RON BA	UMAN
			TEMPI ATE EII EN	ME PRODUCT SPEC	ISIZE AI(V 1) DOC



5	Dielectric Strength	Apply an AC rms voltage of 1000V at 60 Hz across each adjacent cavity and between the terminals to ground	No dielectric breakdown or flash-over shall occur between cavities or between the cavities and the outside of a connector at any time during the test.
		Mate connectors per durability; Expose to <b>504</b> cycles of 45 minutes ON and 15 minutes OFF at 6.1 amps (20awg) and 5.8 amps (22awg) for 105°c.	First 504 Cycles: The temperature measured on each connection shall not exceed 105°c
		Perform Contact Resistance @ Rated Current (Voltage Drop)	ated <u>Voltage Drop</u> 20 milliohms MAXIMUM
6	Connector Current Capability (Electrical)	Expose to a second set of <b>504</b> cycles of 45 minutes ON and 15 minutes OFF at 6.1 amps (20awg) and 5.8 amps (22awg) for 105°c.	Second 504 Cycles: The value shall not exceed a Delta Temperature of 70°c
		Record <b>Contact Resistance</b> (Low Level) at least once a day, at the 30 <sup>th</sup> . Minute of the ON cycle	Dry Circuit Resistance 10 milliohms MAXIMUM
		Perform Contact Resistance @ Rated Current (Voltage Drop)	<u>Voltage Drop</u> 20 milliohms MAXIMUM
_	Connector Current	Subject connectors to <b>Connector Current</b> <b>Capability (Electrical)</b> .	TPA in Final-Lock <b>80</b> Newtons MINIMUM
7 Capability (Mechanical)		Perform <b>Terminal Retention Force (in</b> <b>Housing)</b> for 20awg and 22awg	22awg wire breakage can occur at less than 80N*
ß	Connector -	A pair of mated connectors shall be left in a Humidity Chamber for <b>1 hour at 60 ± 5 °C</b> <b>and 90 - 95 %RH</b> . During the humidity exposure, power adjacent terminals to <b>14</b> <b>VDC.</b> Measure Initial Leak Current after 1	Initial Leak Current Less than 10µA
ŏ	Connector Leak Current	hour while still in chamber. After humidity exposure, power adjacent terminals to <b>14 VDC</b> and measure post endurance leak current	<u>Post Endurance Leak</u> <u>Current</u> Less than 1mA

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
D1	EC No: UAU2015-0402		8-20 CKT CTX		1 of 12
	DATE: 2014 / 09 / 11	CONN	ECTION ASSEMB	LY	4012
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	<u>APPROV</u>	/ED BY:
PS-34729-020		JAROD FISCHER	TREVOR MACHUGA RON BAUM		UMAN
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).					[SIZE_A](V.1).DOC



9	Connector - Connector Overcurrent Loading	Pass the following time below throug arbitrarily selected <u>Current (Amps)</u> 16.5 20.2 22.5 30	g current for the specified h only one circuit that is d: (20awg) <u>Time</u> 60 Minutes 200 Seconds 5 Seconds 1 Second	Housing shall not start burning
---	---	--	--	---------------------------------

# 5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	ON	REQUIREMENT		
				Mate 75 M	Newtons MAXI	мим
1	Connector Mate/ Unmate Forces	Mate and Unmate connector (male to female) at a rate of $50 \pm 6$ mm ( $2 \pm \frac{1}{4}$ inch) per		Unmate w/o latch 75 Newtons MAXIMUM		
		minute.		Un <b>120</b> Ne	nmate w/latch ewtons MINIMU	M
2	Terminal Retention Force	Axial pullout force on the term housing at a rate of $50 \pm 6$ mm	inal in the n ( <b>2 ±</b> ¼ inch)	TP. <b>60</b> Ne	A in Pre-Lock wtons MINIMU	IM
	(in Housing)	per minute.		TP <i>A</i> <b>80</b> Ne	A in Final-Lock wtons MINIMU	IM
3	Terminal Insertion Force (into Housing)	Apply an axial insertion force of at a rate of $50 \pm 6 \text{ mm} (2 \pm \frac{1}{4} \text{ i} \text{ minute.})$	on the terminal inch) per	<b>6</b> New	vtons MAXIMU	М
4	Connector Audible Feedback	The connector lock must prov feedback during connector ma $50 \pm 6 \text{ mm} (2 \pm \frac{1}{4} \text{ inch}) \text{ per m}$	<b>7</b> dB over	r Ambient (C s	cale)	
		Connector must be polarized	120 Newtons MINIMUM		JM	
5	Polarization Feature Effectiveness	mating with similar connectors Misorientation for all possib receptacle configurations	s - 0° ble header and	110 Newton Minimum 12 Ckt: Pol C to Pol A		<u>m</u> A
		The TPA is designed to resist seating during shipment and must be actuated by the operator in order to fully seat. The force to either insert the TPA from the preload (as shipped) position to the final position or extract the TPA from final to preload at a rate of $50 \pm 6$ mm ( $2 \pm \frac{1}{4}$ inch) per minute.		TPA Insertion w/o terminals: 180 Newtons MINIMUM		ons
6	Terminal Position Assurance (TPA) Insertion Force (into			TPA Insertion with terminals: 20 Newtons MAXIMUM		n ons
	housing)			<b>TPA Extraction – 1<sup>st</sup> Cycle:</b> <b>15</b> Newtons MAXIMUM		<b>ycle:</b> JM
			TPA Extr 20 Ne	raction – 2 <sup>nd</sup> C wtons MINIMU	S <b>ycle:</b> IM	
/ISION:	ECR/ECN INFORMATION	I: TITLE:				SHEET No.
11	EC No: UAU2015-0402		8-20 CKT C	тх		5 of 10
ור	<u>DATE:</u> 2014 / 09 / 11	CONN	CONNECTION AS		SEMBLY	
CUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED	<u>BY:</u>	APPROV	<u>ED BY:</u>
PS	5-34729-020	JAROD FISCHER	TREVOR MAC	HUGA	RON BA	UMAN



7	Terminal Position Assurance (TPA) Extraction Force (in housing)	The force to completely extract preload (as shipped) position 6 mm (2 ± ¼ inch) per minute.	ct the TPA from at a rate of <b>50 ±</b>	<b>50</b> Ne	wtons MINIML	JM
8	Header Pin Retention Force (in Vertical & Right Angle Housing)	Axial pushout force on the term housing at a rate of $50 \pm 6$ mm per minute.	ninal in the n ( <b>2 ±</b> ¼ inch)	<b>15</b> Ne	wtons MINIML	JM
9	Insertion / Removal Feeling	Insert and remove the terminal or the connector, while checking the correctness of the insertion/removal feeling Connector shall be free of catching and / other abnormality.				e of rust, , and I shall d / or
10	Force-to-Seat Header to PCB (No Solder)	The force to completely seat th the PCB traveling a distance o	The force to completely seat the Header to he PCB traveling a distance of 1.3mm <b>100 N</b> Max			
11	Force-to-Remove Header from PCB (No Solder)	The force to completely remov from the PCB without solder	e the Header	<b>10 N</b> Min		
12	Pry Resistance	A pair of connectors shall have secured and the other inserted conditions, they shall be pried rectangularity, front and rear a around the top with a force of prying the connectors to two st pull them out. This is one cycle Subject connectors to 10 cycle <b>Contact Resistance @ Rated</b> (Voltage Drop) and Connect Mate/Unmate Forces (with lat	A pair of connectors shall have one of them secured and the other inserted. Under these conditions, they shall be pried axially, rectangularity, front and rear and right and left around the top with a force of 78 N After prying the connectors to two stages of fitting, pull them out. This is one cycle. Subject connectors to 10 cycles and Perform <b>Contact Resistance @ Rated Current</b> (Voltage Drop) and Connector Mate/Unmate Forces (with latch only) While being tested, connectors shall not any problem in being electrically alive <u>Voltage Drop</u> 10 milliohms MAXIN Mate T8 Newtons MAXIN Unmate w/latch 110 Newtons MININ			he lave nade UM JM
13	Pry Resistance II	Pull the female connector wire in the direction which minimize female terminal contact at a sp 5mm/min to 100N. Then decre load at the same speed to 0N	at a 45° angle as the male and beed of ase the pulling (No Force)	The interruptio	ere shall be no ons in the wav	eform
14	Connector Drop Test	System Assembly (Mated & F populated) – Subject the asse 1 meter on each face, except for wire side, onto a concrete floor	No da rupture	mage or incipie shall be obser	ent ved.	
						<b>A</b> · · · · · · ·
<u>ISION:</u>	ECR/ECN INFORMATION					<u>SHEE</u>
<b>D1</b>	EC No: UAU2015-0402		8-20 CKT C		v	<b>6</b> of
	<u>DATE.</u> 2014/09/11					
	C 2/720 020					
- P	J-J4/29-U2U	JARUD FISCHER		AJUD		

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC



1 meter on each face, except for electrical ru wire side, onto a concrete floor
--

# 5.3 ENVIROMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Durability	Mate connectors up to <b>10</b> cycles prior to environmental tests.	20 milliohms MAXIMUM
2	Thermal Shock (Electrical)	Mate connectors per durability; expose to600 cycles of:Temperature C°-40 +0/-330+105 +3/-030Perform Contact Resistance (Low Level)	Dry Circuit Resistance 10 milliohms MAXIMUM & Discontinuity < 1 microsecond
3	Thermal Shock (Physical)	Mate connectors per durability; expose to300 cycles of:Temperature C°-40 +0/-330+105 +3/-030Apply a voltage of 500 VDC per IsolationResistance	<b>100</b> Meg ohms MINIMUM
		Apply an AC rms voltage of 1000V at 60 Hz per Dielectric Strength	No dielectric breakdown or flash-over shall occur between cavities or between the cavities and the outside of a connector at any time during the test.
4	Thermal Shock (Mechanical)	Mate connectors per durability; expose to1000 cycles of:Temperature C°-40 +0/-330+105 +3/-030Unmate connector per Connector Mate/Unmate Forces	Unmate w/latch 85 Newtons MINIMUM

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
D1	EC No: UAU2015-0402		8-20 CKT CTX		7 of 12
וש	DATE: 2014 / 09 / 11	CONN	ECTION ASSEMB	LY	
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	<u>APPROV</u>	<u>'ED BY:</u>
PS-34729-020		JAROD FISCHER	TREVOR MACHUGA	RON BA	UMAN
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC					

m	ole	C <sup>®</sup>	PRODUCT SPECIFI	CATIC	<b>N</b>	
			Mate connectors per durability; expose to1000 cycles of:Temperature C°-40 +0/-330+105 +3/-030Extract terminal from housing per TerminalRetention Force (in Housing)	TP/ 85 Ne	A in Final-Lock wtons MINIMUI	м
			Mate connectors per durability. Perform <b>Contact Resistance (Low Level)</b> Connector assembly shall be subject to the	<u>Dry Ci</u> 6 millio	rcuit Resistand ohms MAXIMUI	<u>&gt;e</u> M
		Random Vibration /	following vibration profile: <b>Mechanical Shock</b> : Acceleration: 25 Gs Nominal Shock Duration: 15ms Nominal Shock Shape: Half Sine Number of checks per evic: 702	No disconne fo	instantaneous ction of 7 Ω or r or 1 μs Max	nore
	5 Mechanical Shock (Not Coupled to Engine - Electrical)	Random Vibration with Thermal Cycling Temperature Range: -40/+105°C Test Duration: 24h for each X,Y,Z axis of th parts	No disconne fr	instantaneous ction of 7 Ω or r or 1 μs Max	nore	
			RMS Acceleration = 20.9m/s <sup>2</sup> Perform Contact Resistance (Low Level) Perform Contact Resistance @ Rated Current (Voltage Drop)	<u>Dry Ci</u> 15 milli <u>V</u> 15 milli	<u>rcuit Resistan</u> iohms MAXIMU <u>oltage Drop</u> iohms MAXIMU	<u>ce</u> ™ ™
			Mate connectors per durability. Perform <b>Contact Resistance (Low Level)</b> Condition parts for 48h at the maximum	<u>Dry Ci</u> 6 millio	rcuit Resistan ohms MAXIMUI	<u>се</u> М
	6	Random Vibration with Thermal Cycling / Mechanical Shock (Not Coupled to Engine -	Subject connectors to 16h vibration per axis in all 3 axes. Perform <b>Contact Resistance (Low Level)</b> Maintain for 12h at 85°C and 75% humidity	5 Delta Dry 5 millio	<sup>•</sup> Circuit Resist	<u>ance</u> M
			Perform Contact Resistance (Low Level) Perform Contact Resistance @ Rated Current (Voltage Drop)	Delta I F 7 millio Va 10 milli	Delta Final Dry CircuitResistance7 milliohms MAXIMUMVoltage Drop10 milliohms MAXIMUM	
REVIS	SION:	ECR/ECN INFORMATION	L: TITLE:			SHEET No.
		EC No: UAU2015-0402	8-20 CK	ГСТХ		
D	1	DATE: 2014 / 09 / 11	CONNECTION	ASSEMB	BLY	8 of 12
DOCL	JMENT	NUMBER:	CREATED / REVISED BY: CHEC	KED BY:	APPROV	ED BY:
	PS	-34729-020	JAROD FISCHER TREVOR	MACHUGA	RON BA	UMAN
				TEMPLATE FILEN	VAME: PRODUCT_SPEC	[SIZE_A](V.1).DOC



		Perform Unmate portion only of <b>Connector</b> <b>Mate/Unmate Forces</b>	Unmate w/latch 100 Newtons MINIMUM
7	Temperature/ Humidity Cycling (Electrical)	Mate connectors per durability. Subject connector system to 10 cycles of: 60% RH 4 hours @ 23 C°; 97% RH 10 hours @ 55 C°, 2 hour @ -40 C°; 2 hours @ 105 C° Perform Contact Resistance (Low Level) Perform Contact Resistance @ Rated Current (Voltage Drop)	<u>Dry Circuit Resistance</u> 10 milliohms MAXIMUM <u>Voltage Drop</u> 10 milliohms MAXIMUM
8	Temperature/ Humidity Cycling	Mate connectors per durability.Subject connector system to 10 cycles of: 60% RH 4 hours @ 23 C°; 97% RH 10 hours @ 55 C°, 2 hour @ -40 C°; 2 hours @ 105 C° Apply a voltage of 500 VDC per Isolation Resistance	
	(Physical) / F	Apply an AC rms voltage of 1000V at 60 Hz per Dielectric Strength	No dielectric breakdown or flash-over shall occur betwee cavities or between the cavitie and the outside of a connecte at any time during the test.
0	Temperature/	Mate connectors per durability. Subject connector system to <b>10</b> cycles of: <b>60%</b> RH <b>4</b> hours @ <b>23</b> C°; <b>97%</b> RH <b>10</b> hours @ <b>55</b> C°, <b>2</b> hour @ - <b>40</b> C°; <b>2</b> hours @ <b>105</b> C° Unmate connector per Connector Mate/ Unmate Forces	Unmate w/latch <b>85</b> Newtons MINIMUM
9	(Mechanical)	Mate connectors per durability. Subject connector system to <b>10</b> cycles of: <b>60%</b> RH <b>4</b> hours @ <b>23</b> C°; <b>97%</b> RH <b>10</b> hours @ <b>55</b> C°, <b>2</b> hour @ - <b>40</b> C°; <b>2</b> hours @ <b>105</b> C° Extract terminal from housing per Terminal Retention Force (in Housing)	TPA in Final-Lock <b>85</b> Newtons MINIMUM
10	High Temperature Exposure (Electrical)	Mate connectors per durability. Subject connector system to <b>105</b> C <sup>o</sup> for <b>1008</b> hours. Perform <b>Contact Resistance (Low Level)</b> Perform <b>Contact Resistance @ Rated</b> <b>Current (Voltage Drop)</b>	Dry Circuit Resistance 10 milliohms MAXIMUM <u>Voltage Drop</u> 10 milliohms MAXIMUM
11	High Temperature Exposure (Physical)	Mate connectors per durability. Subject connector system to <b>105</b> C <sup>o</sup> for <b>1008</b> hours. Apply a voltage of <b>500</b> VDC per Isolation Resistance post 1008 hours	<b>100</b> Meg ohms MINIMUM
			1
<u>ON:</u>	ECR/ECN INFORMATION EC No: UAU2015-0402		
1	DATE: 2014/00/11		SSEMPLV 9

**JAROD FISCHER** 

PS-34729-020

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

**RON BAUMAN** 

**TREVOR MACHUGA** 



P:	S-34729-020	JAROD FIS	CHER	TREVOR M	ACHUGA	RON BAUMAN
	NUMBER:	CREATED / REV				
)1	DATE: 2014 / 00 / 11			-ZU CKI CTION A		▼ 10 of
<u>ISION:</u>		$\frac{N:}{2}$	-		отv	
		Perform Contact R and Contact Resis (Voltage Drop).	Resistance (I stance @ Ra	Low Level) ited Current		
		Windshield Washer Fluid:	5 Minutes @ 23°C	48 Hours @ 50°C		
		Engine Coolant:	5 Minutes @ 23°C	48 Hours @ 50°C	8 milliohr	ns MAXIMUM
	Chemical Resistance (Electrical)	Fuel:	@ 23°C 7 Days @	7 Days @	No deformation or cracks sha be observed in connector <u>Delta Dry Circuit Resistanc</u> 6 milliohms MAXIMUM <u>Voltage Drop</u>	ns MAXIMUM age Drop
13		Zinc Chloride:	15 Seconds	24 Hours @ 23°C		ircuit Resistance
		Automatic Transmission Oil:	15 Seconds @ 23°C	24 Hours @ 105°C		on or cracks shall ed in connector
		Resistance To Fluids:	Time / Temp. in Fluid	Time / Temp. Drying		
		Expose connectors the specified durati	to the follow on of soak a	ving fluids for nd dry time:		
		Perform Contact R	Resistance (	Low Level).		
		Mate connectors per connector system t Extract terminal fro	er durability. to <b>105</b> C <sup>o</sup> for the housing p	Subject 1008 hours. er Terminal	TPA in <b>85</b> Newto	Final-Lock ons MINIMUM
12	High Temperature Exposure (Mechanical)	Apply a force of <b>98</b> on wire bundle in th <b>Straight, +45° Ver</b> <b>Horizontal, &amp; -45°</b>	N to wire burne following of tical, -45° Ve Horizontal	ndle and pull directions: ertical, +45°	No breakage or electrical discontinuities at <b>98N or less</b>	
		Mate connectors per connector system t	er durability. to <b>105</b> C <sup>o</sup> for	Subject 1008 hours.		
Apply an AC rms voltage of 1000V at 60 Hz per Dielectric Strength					flash-over sh cavities or be and the outsi at any time	all occur between tween the cavities de of a connector during the test.

$\frown$	
ma	
IIIO	Iex

P	5-34/29-020	JAROD FIS	CHER	TREVOR M	ACHUGA	RON B	AUMAN
	<u>NUMBER:</u>	CREATED / REV	VISED BY:		<u>ED BY:</u>	APPRO	/ED BY:
D1	<u>DATE:</u> 2014 / 09 / 11			3-20 CKT ECTION A	SSEMBL	.Y	<b>11</b> of <b>1</b>
REVISION:					оту		SHEET N
						-	
		Apply an AC rms v per Dielectric Strer	oltage of 100 ngth	00V at 60 Hz	No dielect flash-over s cavities or b and the outs at any tim	ric breakdow hall occur be etween the c side of a conr e during the t	n or tween avities nector test.
		Apply a voltage of Resistance post 10	500 VDC per 008 hours	r Isolation			
		Washer Fluid:	@ 23°C	@ 50°C			
		Coolant: Windshield	@ 23°C 5 Minutes	@ 50°C 48 Hours			
	(Physical)	Engine	5 Minutes	48 Hours			
15	Chemical Resistance	Fuel:	و ∠ی∙ر 7 Days @ 23°C	7 Days @	∠inc Chlc	oride and Eng Coolant	line
		Zinc Chloride:	15 Seconds	24 Hours @ 23°C	be observed in connector <b>100</b> Meg ohms MINIMUM <u>NOT MET</u> Zing Chloridg and Engine		
		Transmission Oil:	Seconds @ 23°C	24 Hours @ 105°C			
		Fluids:	Temp. in Fluid 15	Temp. Drying			ctor
		Expose connectors the specified durati Resistance To	s to the follov ion of soak a Time /	nd dry time: Time /	No deforma	tion or cracks	sshall
		terminal from hous Retention Force (ir	ing per Term Housing)	hinal			
		Unmate connector	per Connect	tor Mate/			
		Windshield Washer Fluid:	5 Minutes @ 23°C	48 Hours @ 50°C	80 New	tons MINIMU	M
		Engine Coolant:	5 Minutes @ 23°C	48 Hours @ 50°C	TPA i	n Final-Lock	
14	(Mechanical)	Fuel:	7 Days @ 23°C	7 Days @ 23°C	no sign de	is of functiona gradation.	al
4.4	Chemical Bosisteres	ZINC UNIORIAE:	Seconds	24 Hours @ 23°C	Unm (hand eval	nate w/latch uation) shall	show
		Transmission Oil:	Seconds @ 23°C	24 Hours @ 105°C	No deforma be observ	tion or cracks ved in connec	s shall ctor
		Automatic	Fluid 15	Drying	No deferme	tion on one of	a b a ll
		Resistance To Fluids:	Time / Temp. in	Time / Temp.			
		the specified durati	ion of soak a	nd dry time:			



16	Solderability	Steam-age samples for 8 hours (Category 3), set at ambient for at least one hour, and its pins were dipped in ROL1 flux and 63/37 tin lead solder at <b>234°C</b> per procedure of <b>SMES-152</b> Paragraph 5.3.4 Dip Coated. Criteria for passing visual was SMES-152 Rev E Paragraph 5.4.1.	Solder coverage: <b>95</b> % MINIMUM (per <b>SMES-152</b> )
17	IR Process Soldering	Molex IR Profile: <b>ES-40000-5013</b> Maximum Temperature: <b>260°C</b>	Dimensional: Conformance to Sales Drawing requirements & Visual: SEE SECTION 8.0 OTHER INFORMATION

## 6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage. TPAs may become seated during transit, please refer to PS-34646-001 for more information.

### 7.0 GAGES AND FIXTURES

All applicable gages and fixtures are referenced in the appropriate control plans.

### **8.0 OTHER INFORMATION**

Products conform to the following environmental ratings:

Temperature: 105°C Vibration: On-Body Sealing: Un-Sealed

To ensure compliance with our product validation, it is imperative that our product meet the print dimensions. Any non-conformance with the true position of the PCB pins or mating interface will create performance failures that include; PCB installation, increased mate/unmate forces and electrical discontinuities.

To this effect, Molex does not recommend or endorse the ganging of individual Stac64 header assemblies by our distribution partners or customers. We have developed a repeatable and efficient method of producing 2, 3, and 4 bay header assemblies that meet the print requirements to optimize product performance.

For IR Reflow applications, part numbers 34691-6XXX (Plastic pin alignment plate or "PAP") headers should be used. The use of part numbers 34691-0XXX (Mylar PAP) has been reported to cause soldering issues.

<b>REVISION:</b>	ECR/ECN INFORMATION:	TITLE:			SHEET No.			
D1	EC No: UAU2015-0402	8-20 CKT CTX			10 of 10			
וט	DATE: 2014 / 09 / 11	CONN	CONNECTION ASSEMBLY					
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:				
P	S-34729-020	20 JAROD FISCHER TREVOR MACHUGA RON BAU		UMAN				
			TEMPLATE FILEN	AME: PRODUCT_SPEC	[SIZE_A](V.1).DOC			



# STAC64 SYSTEM APPLICATION GUIDE

1.0 SCOPE THIS INSTRUCTION MANUAL CONTAINS SUPPLEMENTAL INFORMATION PERTAINING TO THE MOLEX STAC64 UNSEALED DUAL ROW 0.64 SERIES 34729, STAC64 UNSEALED DUAL ROW HYBRID 2.8-1.5 SERIES 31372, STAC64 UNSEALED DUAL ROW HYBRID 2.8-0.64 SERIES 34969, AND THE STAC64 HEADERS SERIES 34690/34691/34695/34696/34772/34773



- Section 1: Product Introduction
- Section 2: Product Summary
- Section 3: Connector Assembly
- Section 4: Connector Mating
- Section 5: Service Instructions

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.		
B3	<u>EC No:</u> 115620	STAC64 SY	1 of 17				
DJ	DATE: 2017 / 04 / 11						
DOCUMENT	CUMENT NUMBER:         CREATED / REVISED BY:         CHECKED BY:         APPR		<u>APPROV</u>	'ED BY:			
AS-34729-020		Jarod Fischer Trevor Machuga Ron		Ron Ba	luman		
TEMPLATE FILENAME: APPLICATION SPECISIZE AI(V.1).DOC							



### 2.0 PRODUCT DESCRIPTION

### FEATURES AND SPECIFICATIONS



### Stackable connection system provides single and multi-pocket PCB solutions, offering a diverse range of circuit sizes and greatly reduces time-to-market by completely eliminating custom tooling

To address the growing electronic device requirements within today's vehicles, Molex has developed a modular 0.64, 1.50 and 2.80mm (.025, .059 and .110") terminal header system. The Stac64 connection system allows OEM and device manufacturers greater design flexibility to support both low-level signal requirements as well as power applications upwards of 30.0A. The Stac64 system allows automotive manufacturers to use header assemblies as stand-alone components, to gang multiple headers together to support a large range of signal and power needs for devices and modules.

The standard product line based on the 0.64mm (.025") pitch terminal includes: 8-, 12-, 16- and 20-circuit connectors in both vertical and right-angle headers supporting low-level signal requirements. An

### Features and Benefits

- Stackable connection system of readily available PCB headers ensure reduced time-to-market: engineering and validation times reduced significantly, no tooling necessary to produce custom multi-bay headers
- The 20-circuit-header housings are molded in standard USCAR color schemes for additional polarizations to match harness connector color-coding scheme for visual aid in assembly
- Pre-assembled, linear Mylar PC tail alignment strip for right-angle headers reduces PCB packaging complexity and provides space savings
- Modular-housing design with standard dovetail features molded into the housings allows headers to be ganged together in large assemblies to meet growing terminal quantity requirements

additional 10-circuit 'power pocket' version, supporting power applications for 1.50 and 2.80mm (.059 and .110") pitch terminal systems, is available in vertical and right- angle configurations. This Stac64 is a standard product system based on USCAR-2 Class II mechanical and electrical performance characteristics for unsealed connector applications. The connectors mate to existing wire-harness connectors designed to the USCAR/EWCAP industry footprints.

The Stac64 standard product offering is currently tooled at high cavitation and is fully validated at the single-packet level. This greatly reduces timeto-market by completely eliminating the need for additional tooling. For additional information visit: http://www.molex.com/link/stac64.html.

- PCB alignment posts ensure all terminals are properly aligned into PCB through-holes during assembly and retain header to PCB during assembly and solder processing
- PCB stand-offs molded into housings provide additional trace-routing real estate under the headers
- High temperature thermoplastic housings withstand infra red (IR) and wave lead-free solder processing per ES-40000-5013 Molex specification
- Pre-assembled TPA to receptacle housing shipped as single assembly provide applied labor and cost savinas

34690 Single Bay Vertical Headers 34691 Single Bay Right Angle 34695 Single Bay Hybrid Vertical Headers 34696 Single Bay Hybrid Right Angle Headers 34707 Ganged Multi-Bay Vertical Headers 34708 Ganged Multi-Bay Right Angle Headers 34729 8-20 Circuit Receptacle Connectors 31372 10 Circuit Hybrid Receptacle Assembly 34803 CTX64 Female Receptacle Terminals 33012 MX150 Female Receptacle Terminals



20-Circuit Right-Angle Single-Bay Header - Polarization A



30-Circuit Ganged Vertical Header — With Power-Pocket Option



80-Circuit Right-Angle Ganged Header



# 3.0 REFERENCE DOCUMENTS

STAC64 RECEPTACLE SALES DRAWING (CTX64)	SD-34729-020
STAC 10CKT HYBRID RECEPTACLE SALES DRAWING	SD-31372-900
STAC 14CKT HYBRID RECEPTACLE SALES DRAWING (CTX64)	SD-34969-010
STAC64 HEADER SALES DRAWING (VERTICAL)	SD-34690-100
STAC64 HEADER SALES DRAWING (RIGHT ANGLE)	SD-34691-100
STAC 10CKT HYBRID HEADER SALES DRAWING (VERTICAL)	SD-34695-100
STAC 10CKT HYBRID HEADER SALES DRAWING (RIGHT ANGLE)	SD-34696-100
STAC 14CKT HYBRID HEADER SALES DRAWING (VERTICAL)	SD-34772-010
STAC 14CKT HYBRID HEADER SALES DRAWING (RIGHT ANGLE)	SD-34773-010
STAC 10CKT HYBRID CONNECTOR PRODUCT SPECIFICATION	PS-31372-100
STAC 14CKT HYBRID CONNECTOR PRODUCT SPECIFICATION	PS-34969-100
STAC64 CONNECTOR PRODUCT SPECIFICATION	PS-34691-100
STAC HYBRID HEADER PRODUCT SPECIFICATION	PS-34696-100
STAC64 CONNECTOR PACKAGE DRAWING (BULK)	PK-34729-020
STAC 10CKT HYBRID CONNECTOR PACKAGE DRAWING (BULK)	PK-31372-931
STAC 14CKT HYBRID CONNECTOR PACKAGE DRAWING (BULK)	PK-31301-211
MX150 APPLITCATION TOOLING SPECIFICATION	ATS-638131500
CTX64 APPLITCATION TOOLING SPECIFICATION	ATS-638135700

			TEMPLATE FILENAME	APPLICATION_SPEC	[SIZE_A](V.1).DOC	
A	AS-34729-020 Jarod Fischer Trevor Machuga Ron B		Ron Ba	luman		
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:		
DJ	<u>DATE:</u> 2017 / 04 / 11				<b>3</b> 01 <b>11</b>	
BS	<u>EC No:</u> 115620	STAC64 SYS	STAC64 SYSTEM APPLICATION GUIDE			
<b>REVISION:</b>	ECR/ECN INFORMATION:	<u>TITLE:</u>			SHEET No.	



### A. Connectors shown in "As Shipped"

Connector TPA shown in "as shipped" condition (pre-lock). The TPA must remain in the pre-lock position until all circuits are loaded.



### B. TPA "lift to pre-lock"

TPA must be in pre-lock position to populate the connector. If during shipping the Connector TPA moves from it's pre-lock position. Simply squeeze both sides of the TPA and slide it up the TPA will snap into pre-lock position.

### If the TPA or housing is damaged in any way do not use the connector!!!



Squeeze



Squeeze & Slide



**Click TPA in Pre-lock** 

B.(continued) TPA "lift to pre-lock" HYBRID

TPA must be in pre-lock position to populate the connector. Slide a small screwdriver Under the edge of the TPA on one side. Using the blade of the screwdriver gently push TPA upwards. Repeat this on the opposite side, TPA will snap into pre-lock position. If the TPA or housing is damaged in any way do not use the connector!!!



**TPA in Pre-lock** 





## C. Terminal Installation:

With TPA still in pre-lock position, orient terminal to rear of connector as shown below. Grip the wire no less than 1.25 inches from the terminal insulation crimp and insert through appropriate circuit opening. If resistance is encountered, retract the terminal and adjust the angle of insertion. Continue inserting the terminal until it stops and locks up on the lock finger with an audible click.







PUSH CLICK PU TPA must be in Pre-Lock Position to Populate Connector

C. (continued) Terminal Installation: 1.5mm terminals is the same as above







PUSH CLICK PU TPA must be in Pre-Lock Position to Populate Connector

PULL

C. (continued) Terminal Installation: for 2.8 terminals is the same as above.



2.8mm terminal **PUSH** 



CLICK



PULL

**REVISION:** ECR/ECN INFORMATION: TITLE: SHEET No. **STAC64 SYSTEM APPLICATION GUIDE** EC No: 115620 **B**3 5 of 17 DATE: 2017 / 04 / 11 DOCUMENT NUMBER: CREATED / REVISED BY: CHECKED BY: APPROVED BY: AS-34729-020 **Jarod Fischer Trevor Machuga Ron Bauman** TEMPLATE FILENAME: APPLICATION\_SPEC[SIZE\_A](V.1).DOC



### D. Seating the TPA

With the receptacle terminals fully installed, the TPA can be seated into its final lock position by squeezing both sides of the TPA evenly, then sliding the TPA toward the housing until it comes to a stop flush to the top of the connector housing.

### Push uniformly on TPA sides to fully seat.







### D. Seating the TPA HYBRID Connector

With the receptacle terminals fully installed, the TPA can be seated into its final lock position by applying an even force to the TPA surface until it comes to a stop, with an audible click. *Push uniformly on TPA main surface only to fully seat.* 







CLICK

Note: If the TPA push down force exceeds 40N and doesn't click, check if terminals are fully seated, and make adjustments if needed. Then retry to seat the TPA.

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.		
<b>B</b> 3	EC No: 115620	STAC64 SY	STEM APPLICATION	GUIDE	<b>6</b> of <b>17</b>		
	DATE: 2017/04/11						
DOCUMENT	NUMBER:	CREATED / REVISED BY:	ED BY: CHECKED BY: APPROVED E		/ED BY:		
AS-34729-020		Jarod Fischer	Trevor Machuga Ron Bauman		uman		
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A](V.1).DOC							



## A. Connector Mating

Note and align connector keying features, from receptacle connector to Mating header.



B. Begin mating procedure by sliding the receptacle connector assembly into the header assembly, press firmly until you hear an audible click.



PUSH



CLICK



PULL

A. Connector Mating HYBRID Connector

Note and align connector keying features, from receptacle connector to Mating header.





B. Begin mating procedure by sliding the receptacle connector assembly into the header assembly, press firmly until you hear an audible click.



PUSH



CLICK



PULL





### A. Terminal servicing

Squeeze and slide the TPA away from the housing. TPA will snap into the pre-lock position. With the TPA in pre-lock use the designated service tool, push through the service hole to disengage the lock finger. Push straight until reaching a hard stop. Once the Lock finger is disengaged, gently pull on the wire to release the terminal.





Squeeze and slide



TPA in pre-lock



Servicing terminal

CTX64 Servicing Tool: 63813-5700



REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.		
<b>B</b> 3	<u>EC No:</u> 115620	STAC64 SY	STEM APPLICATION	GUIDE	8 of 17		
DJ	<u>DATE:</u> 2017 / 04 / 11				0017		
DOCUMENT	<u>NUMBER:</u>	CREATED / REVISED BY: CHECKED BY: APPROVED		<u>'ED BY:</u>			
AS-34729-020		Jarod Fischer Trevor Machuga Ron B		Ron Ba	luman		
TEMPLATE FILENAME: APPLICATION SPECISIZE AI(V.1).DOC							



### A. Terminal servicing HYBRID

Slide small screwdriver under the edge of the TPA on one side. Then using the blade of screwdriver, gently push TPA upwards. Repeat step 1 on opposite side.. TPA will snap into the pre-lock position.







TPA in pre-lock

A. Terminal servicing (continued)

With the TPA in pre-lock use the designated service tool Molex P/N 63813-1500, push through the service hole to disengage the lock finger. Push straight until reaching a hard stop. Once the Lock finger is disengaged, gently pull on the wire to release the terminal.







<b>REVISION:</b>	ECR/ECN INFORMATION:	TITLE:			SHEET No.		
<b>B3</b> <u>EC No:</u> 115620		STAC64 SY	<b>0</b> of <b>17</b>				
DJ	<u>DATE:</u> 2017 / 04 / 11				<b>3</b> 01 <b>11</b>		
DOCUMENT NUMBER:		CREATED / REVISED BY: <u>CHECKED BY:</u> <u>APPROVE</u>		/ED BY:			
AS-34729-020		Jarod Fischer Trevor Machuga Ron B		Ron Ba	uman		
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A](V.1).DOC							



### B. Electrical probing, continuity checking The preferred method of probing; use the Probe opening for receptacle terminal to check for electrical continuity.





B. Electrical Continuity Checking

The preferred method of probing receptacles can be found on the following two sheets.

Electrical Continuity Checklist:

Probe Pin Recommendations:

- 1. When testing the connector for continuity it is imperative that you do not damage the terminals
- 2. Pogo pins should be checked for damage or sticking several times per shift. This should assure containment if an issue is found.
  - a. First a visual inspection of all the pins for damage should be performed
  - b. Then a testing block should be used to depress all the pogo pins into the barrel. If there is a bent or sticking pin, it should remain stick in the barrel of the pogo pin. A damaged or stuck pin needs to be replaced before any additional testing is performed

Probing Damage Can Occur

- 1. If a sharp probe is inserted into the contact of the terminal it may damage the plating and increase contact resistance
- 2. If an oversized diameter probe is inserted into the terminal, this will overstress the beam in the terminal. This will create and environment for intermittent connections, and increased contact resistance
- 3. If a probe is inserted into the connector on an angle or off center it may damage the terminal and/or the connector





# PREFERRED METHOD OF PROBING 34729 RECEPTACLE



TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A](V.1).DOC								
AS-34729-020		Jarod Fischer	Trevor Machuga	a Ron Bauman				
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROV	ED BY:			
כם	<u>DATE:</u> 2017 / 04 / 11							
<b>B</b> 3	<u>EC No:</u> 115620	STAC64 SYS	STAC64 SYSTEM APPLICATION GUIDE					
REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.			







# 4.0 PROCEDURE

**4.1 GENERAL REQUIREMENTS:** PLEASE SEE PK-31300-892, FOR PRODUCT SPECIFIATIONS.

### 4.2 ASSEMBLY INSTRUCTIONS:

WHERE FORCE NEEDS TO BE APPLIED TO SEAT HEADER TO PCB (PRESS FIT, OUTER POSTS) NOTE: ANY PRESSURE PLACED ON THE HEADER PINS MAY DAMAGE THE ASSEMBLY



REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.		
R3	<u>EC No:</u> 115620	STAC64 SY	GUIDE	<b>14</b> of <b>17</b>			
DJ	DATE: 2017 / 04 / 11				140111		
DOCUMENT	T NUMBER: CREATED / REVISED BY: CHECKED BY: APPRO		APPROV	/ED BY:			
AS	6-34729-020	Jarod Fischer	Trevor Machuga	Ron Bauman			
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A](V.1).DOC							

### 4.3 DRAWING DETAIL:

molex

BELOW ARE VIEWS FROM THE 2 BAY STAC'D HEADER DRAWING. ALL 2 BAY HEADERS WILL BE COVERED BY THIS SINGLE DRAWING.

WHEN LOOKING AT THE FRONT (MATE) SIDE OF THE HEADER IT CAN BE DETERMINED WHAT HEADER BAY'S ARE IN WHAT LOCATIONS. THE BAY LETTER REFERENCES (BAY 'A', BAY 'B', ECT.) ARE LOCATIONS ONLY AND DO NOT REPRESENT ANY PARTICULAR CIRCUIT SIZE OR KEY OPTION.



### DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:

Z BAY P K		ΒΑΥ Α			BAY B		DIM 'A'	יפי אוס		
NUMBER	CKT	TYPE	POL	CKT	TYPE	POL	DINA		DIMIC	
34708-2000	20	0.64mm	Α	20	0.64mm	В	66.94	64.47	27.94	27.94
34708-2012	10	HYBRID	Α	20	0 <b>.</b> 64mm	С	66.94	64.47	27.94	27.94
34708-2022	20	0.64mm	С	10	HYBRID	А	66,94	64,47	27.94	27.94

# THE HEADER 'BAY ID' SECTION ON THE CHART CORRESPONDS WITH THE LOCATION ON THE FRONT VIEW OF THE HEADER.

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
B3	<u>EC No:</u> 115620	STAC64 SY	STEM APPLICATION	GUIDE	15 of 17
DJ	<u>DATE:</u> 2017 / 04 / 11				
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY	
AS-34729-020		Jarod Fischer	Trevor Machuga Ron Bauman		luman
			TEMPLATE FILENAME	: APPLICATION_SPEC	[SIZE_A](V.1).DOC





