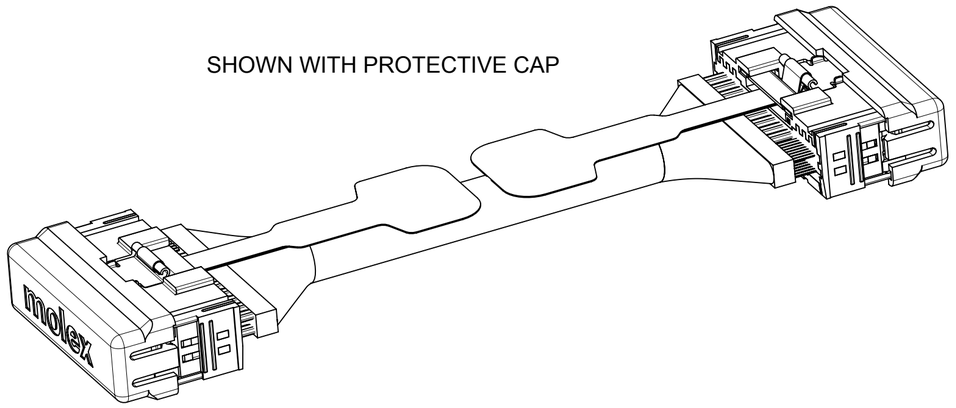


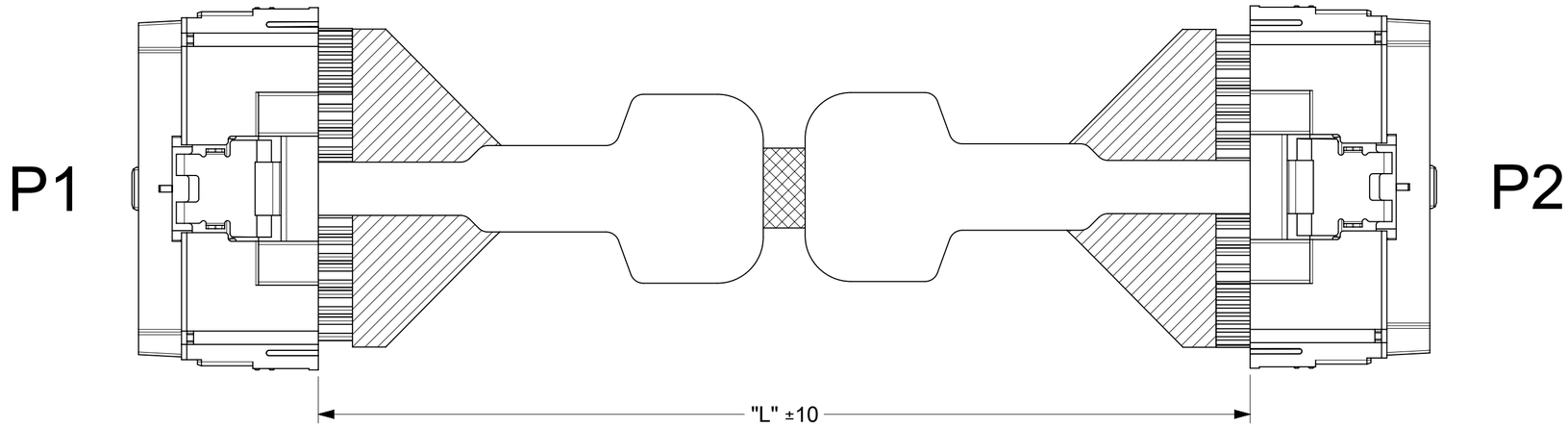
SHOWN WITH PROTECTIVE CAP

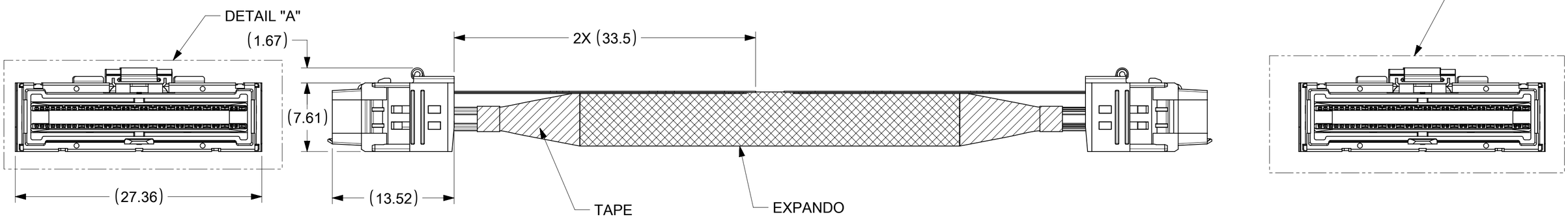
NOTES:

1. GENERAL:
   - 1.1 PRODUCT SPECIFICATION: 2080210001-PS
   - 1.2 APPLICATION SPECIFICATION: 2080210001-AS
   - 1.3 COSMETIC SPECIFICATION: PS-45499-002 CLASS B
   - 1.4 GEOMETRIC TOLERANCES: ASME Y14.5 2009
   - 1.5 MATES WITH: 2080211000 & 2080213000

2. DESIGN - MATERIALS:
   - 2.1 HOUSING MATERIAL: LCP, GLASS FILLED, UL94V-0, COLOR: BLACK
   - 2.2 CONTACT MATERIAL: HIGH PERFORMANCE COPPER ALLOY
   - 2.3 OVERMOLD: HOTMELT
   - 2.4 PROTECTIVE COVER: PP, BLUE
   - 2.5 PLATING: SELECT GOLD IN CONTACT AREA: 0.76 MICROMETERS MIN. OVER NICKEL

LONG PULL TAB DESIGN SHOWN





18DP & 16SE CABLE ASSEMBLY LONG PULL TAB TYPE		
MATERIAL #	"L"	REMARK
2207530650	650	WITHOUT EXPANDO & TAPE
2207530500	500	WITHOUT EXPANDO & TAPE
2202540650	650	WITH EXPANDO & TAPE
2202540500	500	WITH EXPANDO & TAPE

THIS DESIGN IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE. IT MAY CHANGE BASED ON RESULTS OF ADDITIONAL DESIGN REVIEWS AND VERIFICATIONS.

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DIVISIONAL SYMBOLS	DIMENSION UNITS: mm; SCALE: 1:1	CURRENT REV DESC:	molex
	GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ±°; 4 PLACES ±; 3 PLACES ±; 2 PLACES ±; 1 PLACE ±; 0 PLACES ±	EC NO: 711863 DRWN: MFAN08 2022/06/13 CHK'D: ALVINZ 2022/06/23 APPR: XQHE 2022/06/24	NEARSTACK VERTICAL PCIE CABLE ASSY
		INITIAL REVISION: DRWN: JRESENDEZ 2020/06/29 APPR: XQHE 2020/12/22	PRODUCT CUSTOMER DRAWING
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION; DRAWING: C-SIZE; SERIES: 216644; MATERIAL NUMBER: SEE TABLE; CUSTOMER	DOCUMENT NUMBER: 2166441000; DOC TYPE: PSD; DOC PART: 000; REVISION: F1; SHEET NUMBER: 1 OF 4

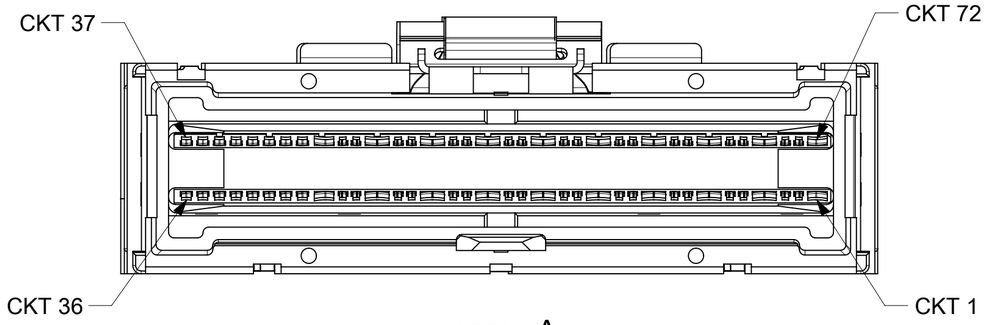
DOCUMENT STATUS	P1	RELEASE DATE	2022/06/24 04:36:38

18DP & 16SE (SINGLE ENDED) PINOUT

P1		P2	
CKT		CKT	
1	GND	28	GND
2	S	27	S
3	S	26	S
4	GND	25	GND
5	S	24	S
6	S	23	S
7	GND	22	GND
8	S	21	S
9	S	20	S
10	GND	19	GND
11	S	18	S
12	S	17	S
13	GND	16	GND
14	S	15	S
15	S	14	S
16	GND	13	GND
17	S	12	S
18	S	11	S
19	GND	10	GND
20	S	9	S
21	S	8	S
22	GND	7	GND
23	S	6	S
24	S	5	S
25	GND	4	GND
26	S	3	S
27	S	2	S
28	GND	1	GND
29	SE	36	SE
30	SE	35	SE
31	SE	34	SE
32	SE	33	SE
33	SE	32	SE
34	SE	31	SE
35	SE	30	SE
36	SE	29	SE

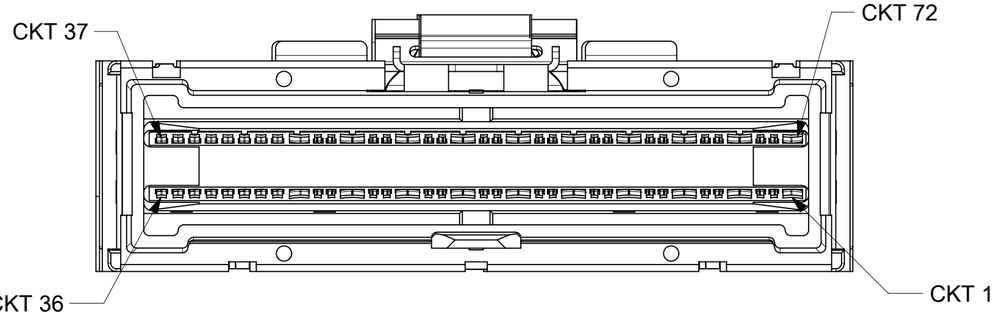
P1		P2	
CKT		CKT	
37	SE	44	SE
38	SE	43	SE
39	SE	42	SE
40	SE	41	SE
41	SE	40	SE
42	SE	39	SE
43	SE	38	SE
44	SE	37	SE
45	GND	72	GND
46	S	71	S
47	S	70	S
48	GND	69	GND
49	S	68	S
50	S	67	S
51	GND	66	GND
52	S	65	S
53	S	64	S
54	GND	63	GND
55	S	62	S
56	S	61	S
57	GND	60	GND
58	S	59	S
59	S	58	S
60	GND	57	GND
61	S	56	S
62	S	55	S
63	GND	54	GND
64	S	53	S
65	S	52	S
66	GND	51	GND
67	S	50	S
68	S	49	S
69	GND	48	GND
70	S	47	S
71	S	46	S
72	GND	45	GND

P1



DETAIL A
SCALE 6:1

P2



DETAIL B
SCALE 6:1

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/24	04:36:38		

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 711863
DRWN: MFAN08 2022/06/13
CHK'D: ALVINZ 2022/06/23
APPR: XQHE 2022/06/24

INITIAL REVISION:
DRWN: JRESENDEZ 2020/06/29
APPR: XQHE 2020/12/22

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 216644

molex

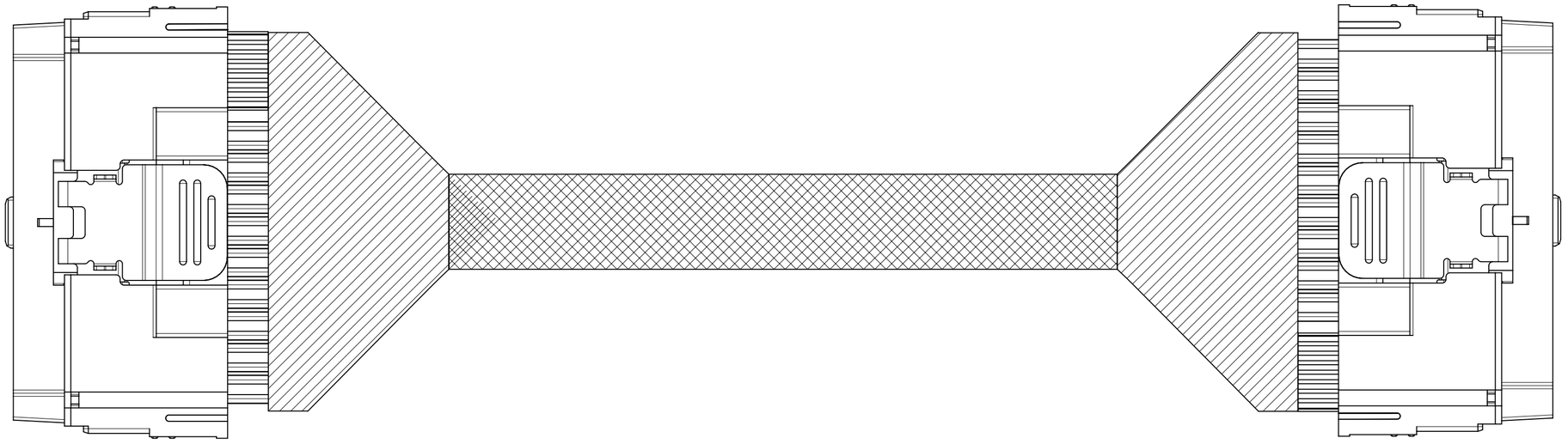
NEARSTACK VERTICAL PCIE CABLE ASSY

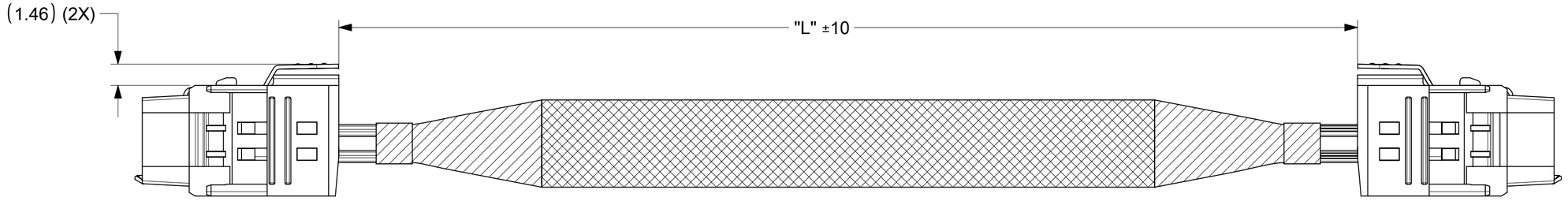
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166441000	PSD	000	F1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE		2 OF 4

THUMB LATCH DESIGN SHOWN





18DP & 16SE CABLE ASSEMBLY THUMB LATCH TYPE		
MATERIAL #	"L"	REMARK
2207540650	650	WITHOUT EXPANDO & TAPE
2202650650	650	WITH EXPANDO & TAPE

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/24 04:36:38

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 711863
DRWN: MFAN08 2022/06/13
CHK'D: ALVINZ 2022/06/23
APPR: XQHE 2022/06/24

INITIAL REVISION:
DRWN: JRESENDEZ 2020/06/29
APPR: XQHE 2020/12/22

molex

NEARSTACK VERTICAL PCIE CABLE ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166441000	PSD	000	F1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	216644	SEE TABLE		3 OF 4

REVISION HISTORY			
DATE	REVISION	DESCRIPTION	ENGINEER
2020/12/22	A	INITIAL RELEASE	MARTIN FAN
2021/01/22	A1	ADD FULL LENGTH OPTIONS IN THE TABLE	MARTIN FAN
2021/04/15	B	REMOVE BLACK STRIPE FROM PULL TAB	MARTIN FAN
2021/06/21	C	CHANGE THE PULL TAB	MARTIN FAN
2021/08/03	C1	UPDATE HOUSING MODEL TO REFLECT THE LATEST VIEWS	MARTIN FAN
2021/10/25	D	ADD AND DESIGN SHORT PULL TAB FOR PCIE VT	MARTIN FAN
2021/01/04	E	UPDATE THE PN TABLE TO INCLUDE NEW PN FOR DIRECT SHIPMENT	MARTIN FAN
2022/03/18	E1	ADD NEW SERIES# 220753 AND 220754 FOR DONOR THAT WILL BE SHIPPED DIRECTLY AND REMOVE THE SHORT PULL TAB TYPE	MARTIN FAN
2022/04/18	F	ADDED STIFFENER TO BE OVER-MOLDED INTO THE HOUSING AND CHANGE THE BRACKET	MARTIN FAN
2022/06/14	F1	ADD 2207530500 AND 2202540500 INTO PN CHART AT SHEET 1 ; REVISED CABLE LENGTH TOLERANCE TO ±10MM	MARTIN FAN

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 711863
DRWN: MFAN08 2022/06/13
CHK'D: ALVINZ 2022/06/23
APPR: XQHE 2022/06/24

INITIAL REVISION:
DRWN: JRESENDEZ 2020/06/29
APPR: XQHE 2020/12/22

molex

NEARSTACK VERTICAL PCIE CABLE ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166441000	PSD	000	F1

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 216644

MATERIAL NUMBER: SEE TABLE
CUSTOMER:
SHEET NUMBER: 4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/24 04:36:38

FORMAT: master-tb-prod-C
REVISION: J1
DATE: 2021/05/01