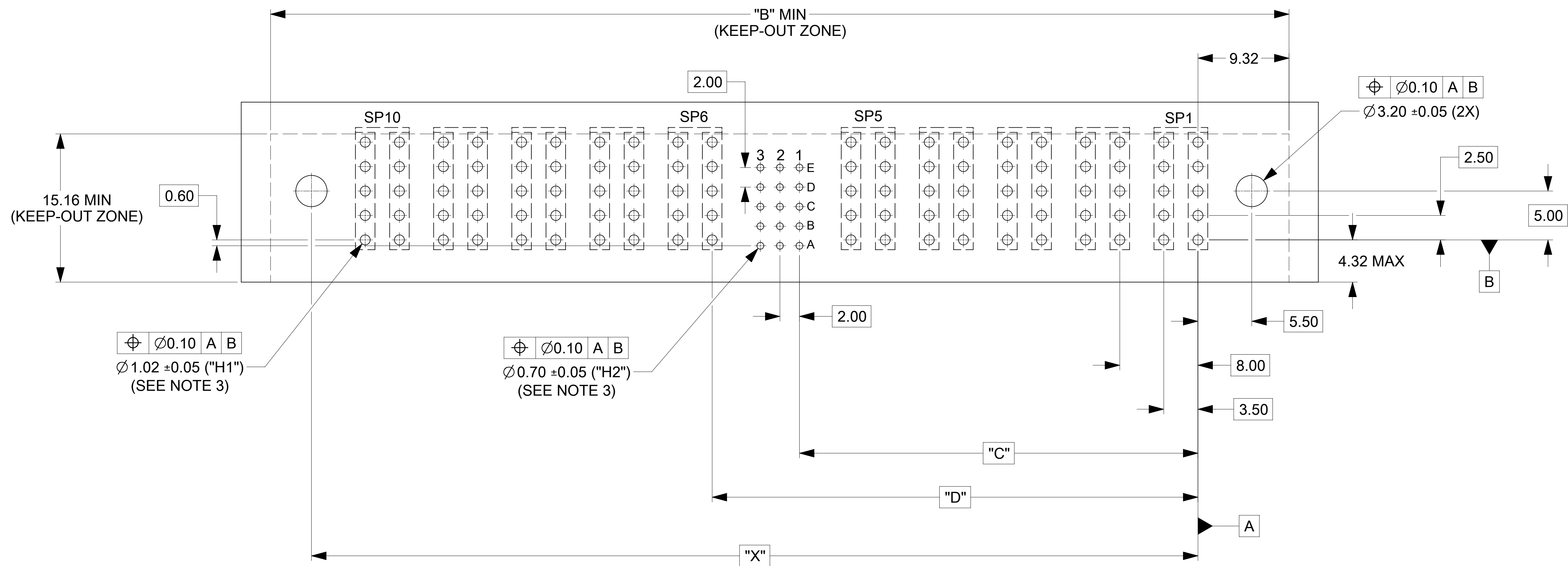


- NOTES:
- MATERIAL:
 - HOUSINGS: LCP UL94, V-0, COLOR: BLACK
 - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
 - PLATING: 1.27 MICROMETER (50 MICROINCH) NICKEL OVERALL WITH 2.54 MICROMETER (100 MICROINCH) SELECTIVE TIN ON TAILS AND 0.762 MICROMETER (30 MICROINCH) SELECTIVE GOLD ON CONTACT AREA
 - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 1710901001-PK
 - PLATED THRU HOLE SIZE, REFER TO PS-171088-0000 FOR DETAILS
 - PRODUCT SPEC: PS-171088-0000
 - APPLICATION SPEC: AS-46436-100
 - PRODUCT TO MEET RoHS REQUIREMENTS
 - ASSEMBLY MATES TO MOLEX PLUG ASSEMBLY P/N 171088-**** (SEE TABLE IN SHEET 2)
 - TAIL DESIGN: COMPLIANT TAILS
 - POWER AND SIGNAL CONTACTS ARE LUBRICATED.
 - MOLEX LOGO TO BE LOCATED APPROXIMATELY AS SHOWN.

RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-30S-(1SP TO 5SP)-G

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

DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED ISO VIEWS	molex		
mm	3:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)			G-*SP-*S-*SP-G R/A RECEP ASSY - TEN60 SPLIT POWER		
ANGULAR TOL	± 0.5°	EC NO: 689821	PRODUCT CUSTOMER DRAWING		
4 PLACES	±	DRWN: KSUTAR 2021/12/15	DOCUMENT NUMBER		
3 PLACES	±	CHK'D: GJEEVANSURES 2021/12/22	DOC TYPE		
2 PLACES	± 0.13	APPR: HTHYAGARAJ 2022/02/14	DOC PART		
1 PLACE	± 0.25	INITIAL REVISION:	REVISION		
0 PLACES	±	DRWN: KSUTAR 2021/09/27	1710908430		
		APPR: HTHYAGARAJ 2021/11/08	PSD 000 A1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		D-SIZE	SEE TABLE	GENERAL MARKET	1 OF 4
		SERIES			
		171090			



RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-15S-(1SP TO 5SP)-G

REFER TO BELOW TABLE FOR DIMENSIONS.

FG P/N	CONFIGURATION	POWER CKT SIZE	SIGNAL CKT SIZE	DIM "A" (IN MM)	DIM "B" (IN MM)	DIM "C" (IN MM)	DIM "D" (IN MM)	DIM "X" (IN MM)	HOLES COUNT "H1"	HOLES COUNT "H2"	MATES WITH R/A PLUG ASSY P/N
1710908421	G-1SP-15S-1SP-G	1	15	39.21	40.21	8.78	17.71	26.71	20	15	1710888421
1710908422	G-2SP-15S-2SP-G	2	15	55.21	56.21	16.78	25.71	42.71	40	15	1710888422
1710908423	G-3SP-15S-3SP-G	3	15	71.21	72.21	24.78	33.71	58.71	60	15	1710888423
1710908424	G-4SP-15S-4SP-G	4	15	87.21	88.21	32.78	41.71	74.71	80	15	1710888424
1710908425	G-5SP-15S-5SP-G	5	15	103.21	104.21	40.78	49.71	90.71	100	15	1710888425
1710908426	G-1SP-30S-1SP-G	1	30	45.21	46.21	8.78	23.71	32.71	20	30	1710888426
1710908427	G-2SP-30S-2SP-G	2	30	61.21	62.21	16.78	31.71	48.71	40	30	1710888427
1710908428	G-3SP-30S-3SP-G	3	30	77.21	78.21	24.78	39.71	64.71	60	30	1710888428
1710908429	G-4SP-30S-4SP-G	4	30	93.21	94.21	32.78	47.71	80.71	80	30	1710888429
1710908430	G-5SP-30S-5SP-G	5	30	109.21	110.21	40.78	55.71	96.71	100	30	1710888430

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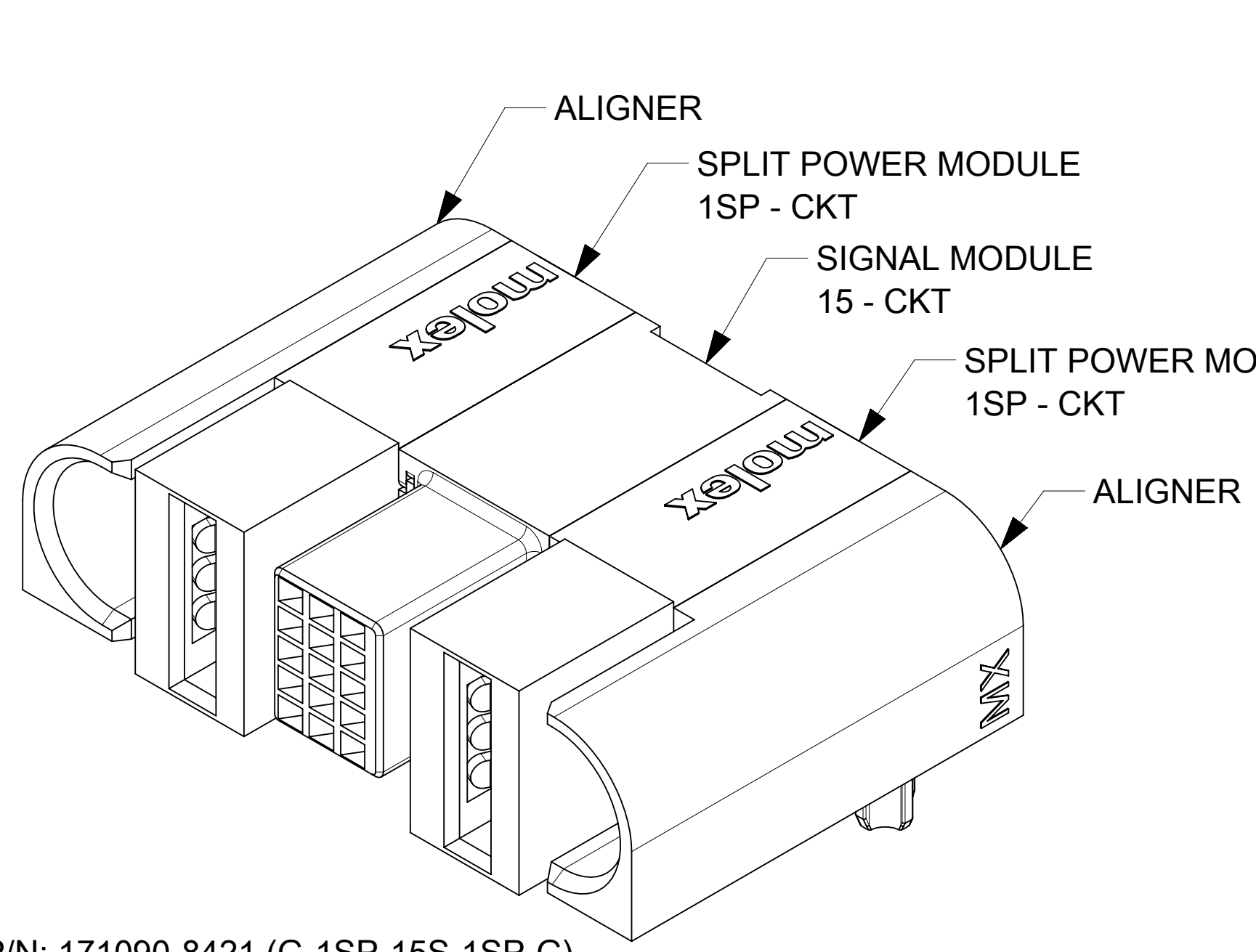
DIMENSION UNITS mm	SCALE 4:1	CURRENT REV DESC: ADDED ISO VIEWS	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 689821	
ANGULAR TOL	± 0.5°	DRWN: KSUTAR	2021/12/15
4 PLACES	±	CHK'D: GJEEVANSURES	2021/12/22
3 PLACES	±	APPR: HTHYAGARAJ	2022/02/14
2 PLACES	± 0.13	INITIAL REVISION:	
1 PLACE	± 0.25	DRWN: KSUTAR	2021/09/27
0 PLACES	±	APPR: HTHYAGARAJ	2021/11/08
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			D-SIZE
		SERIES	171090
DOCUMENT STATUS		MATERIAL NUMBER	CUSTOMER
P1	RELEASE DATE	SEE TABLE	GENERAL MARKET
2022/02/14	09:02:32	SHEET NUMBER	
		2 OF 4	

molex

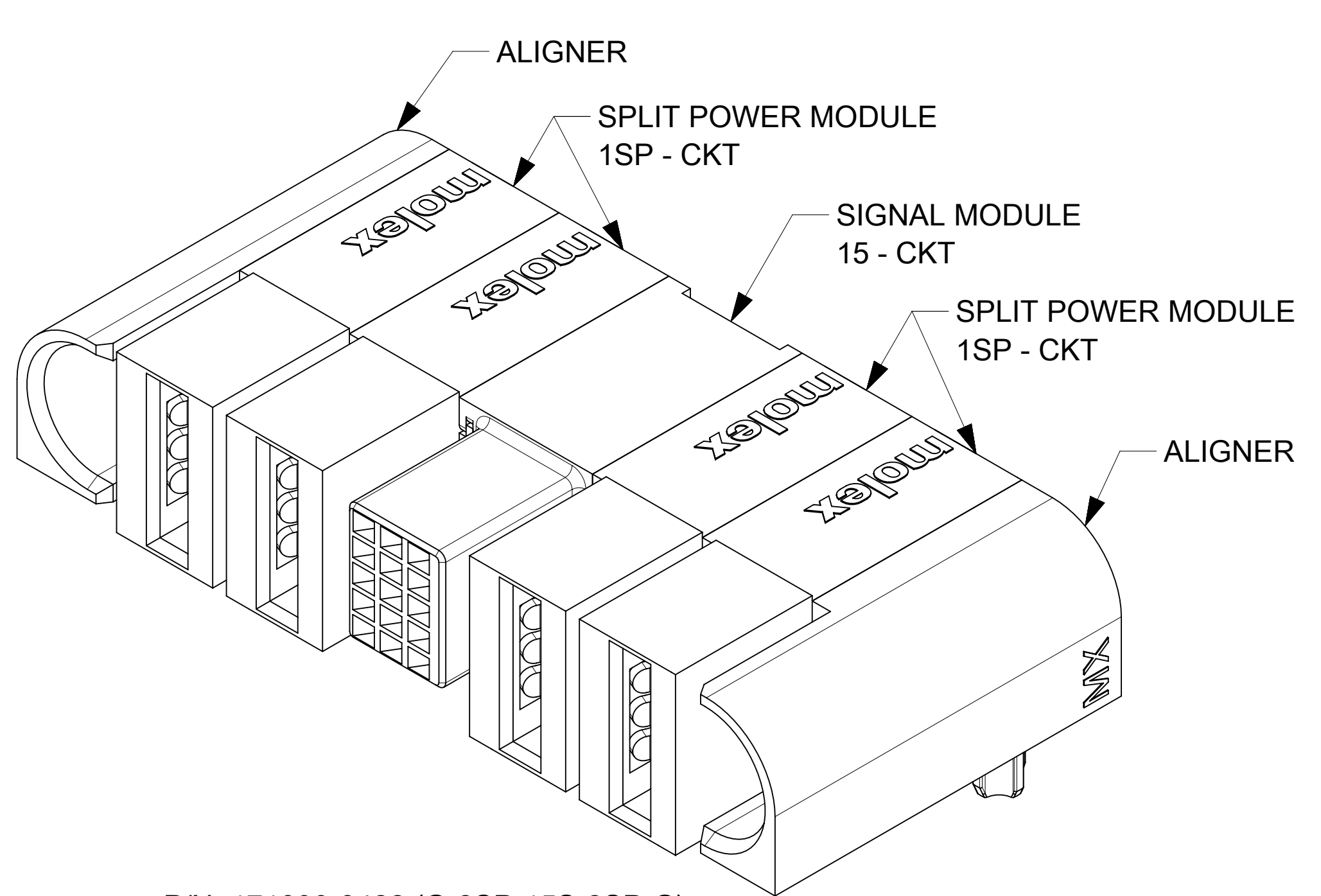
G-*SP-*S-*SP-G
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

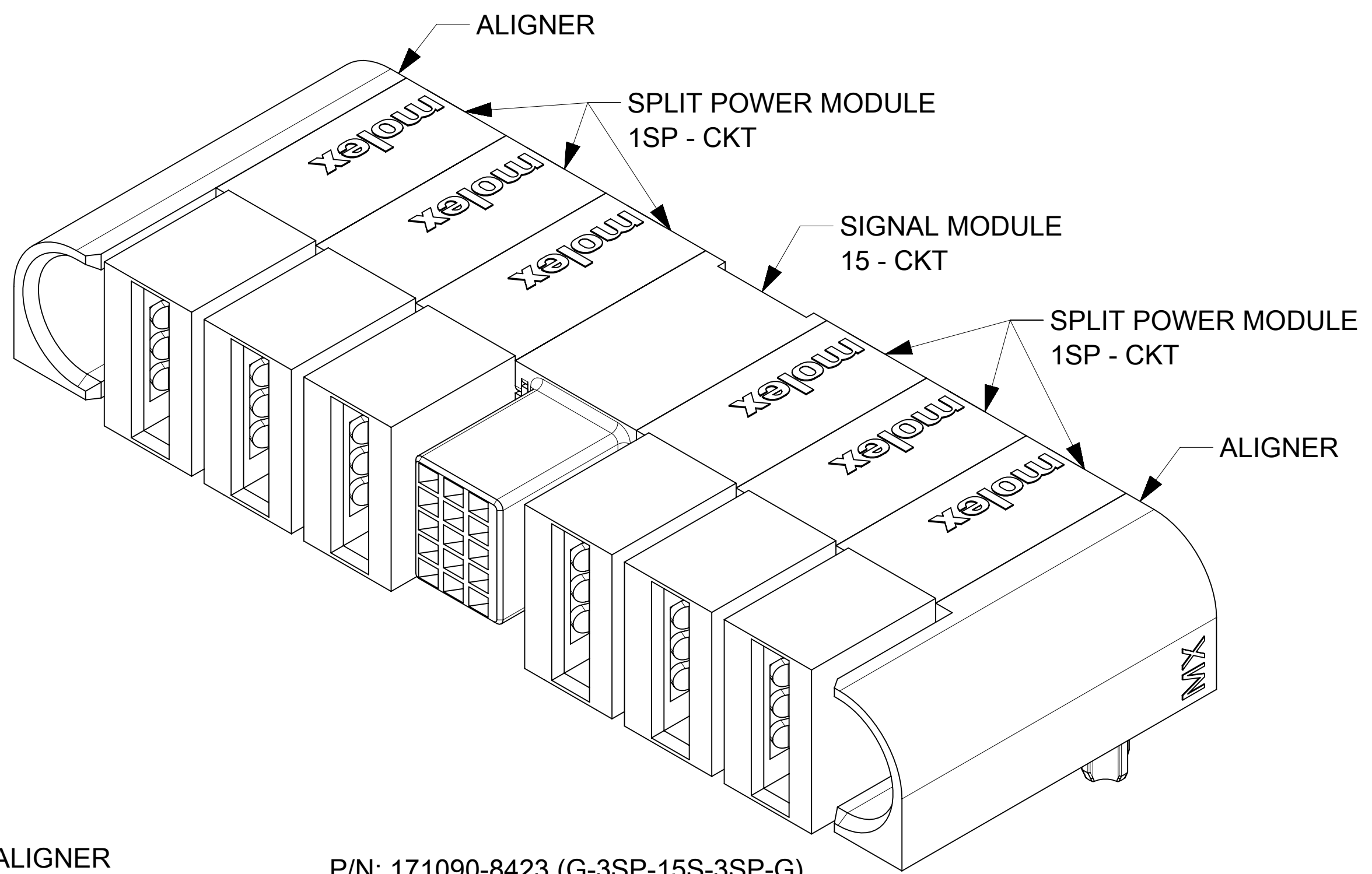
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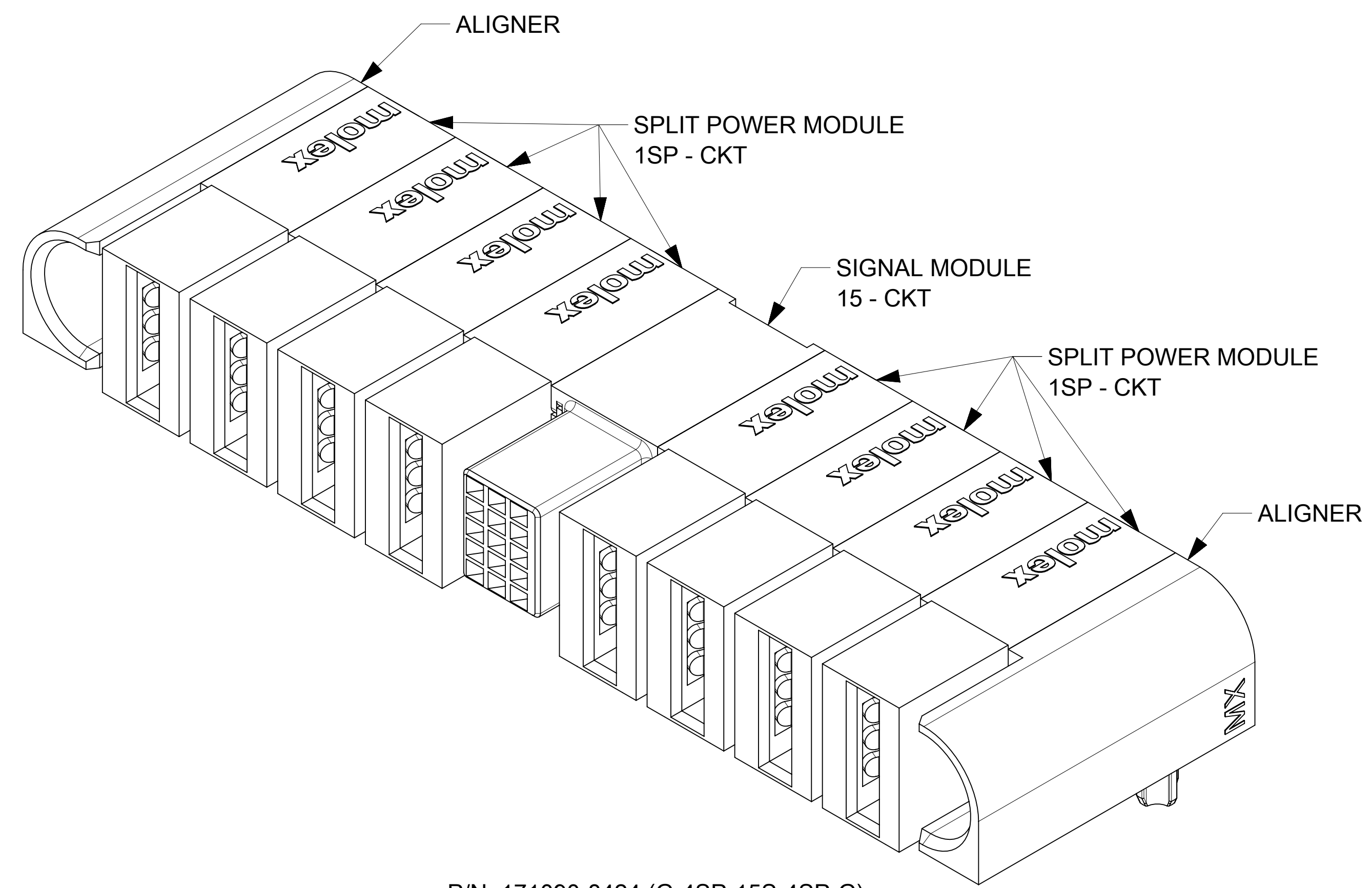
P/N: 171090-8421 (G-1SP-15S-1SP-G)



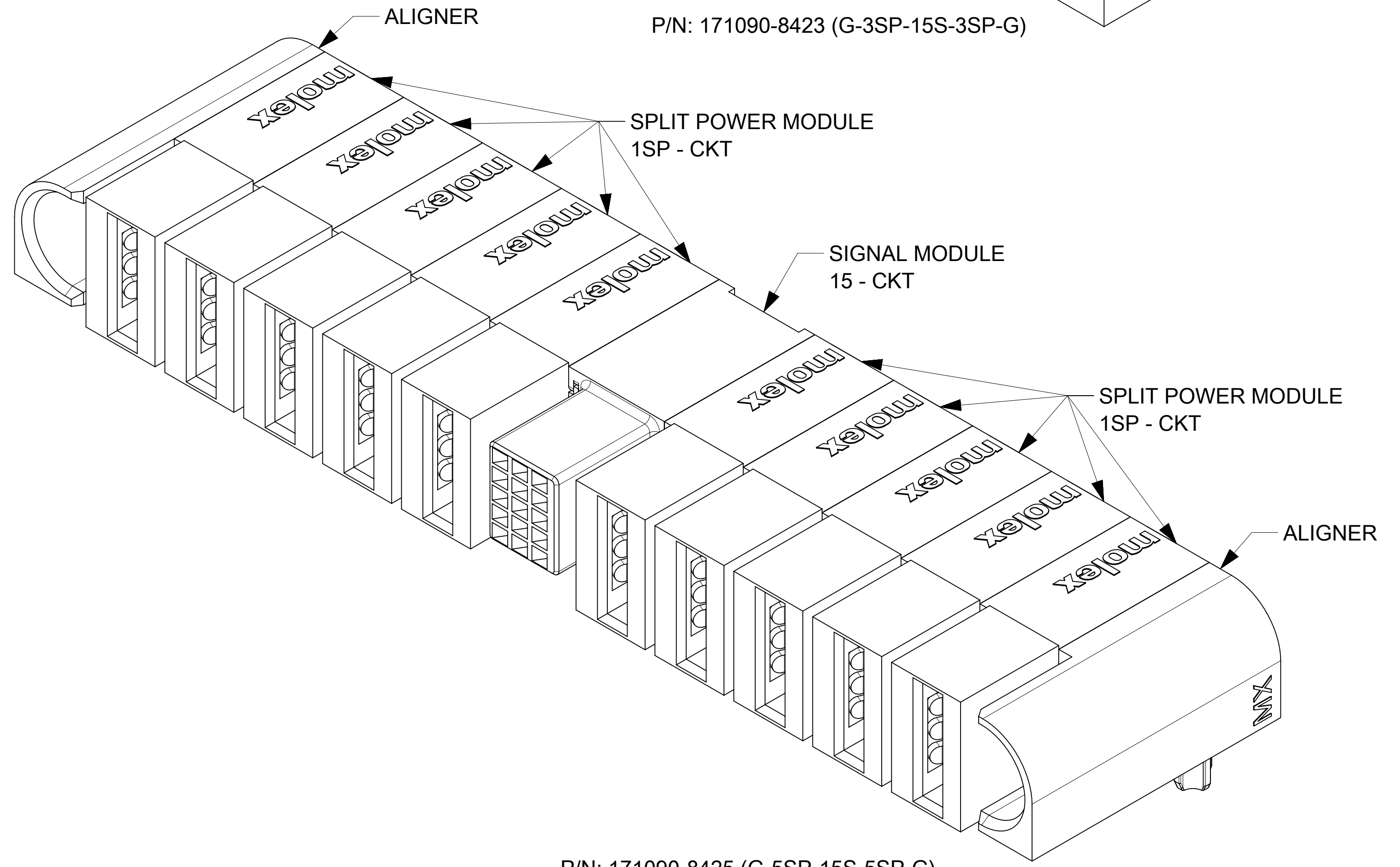
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P/N: 171090-8423 (G-3SP-15S-3SP-G)



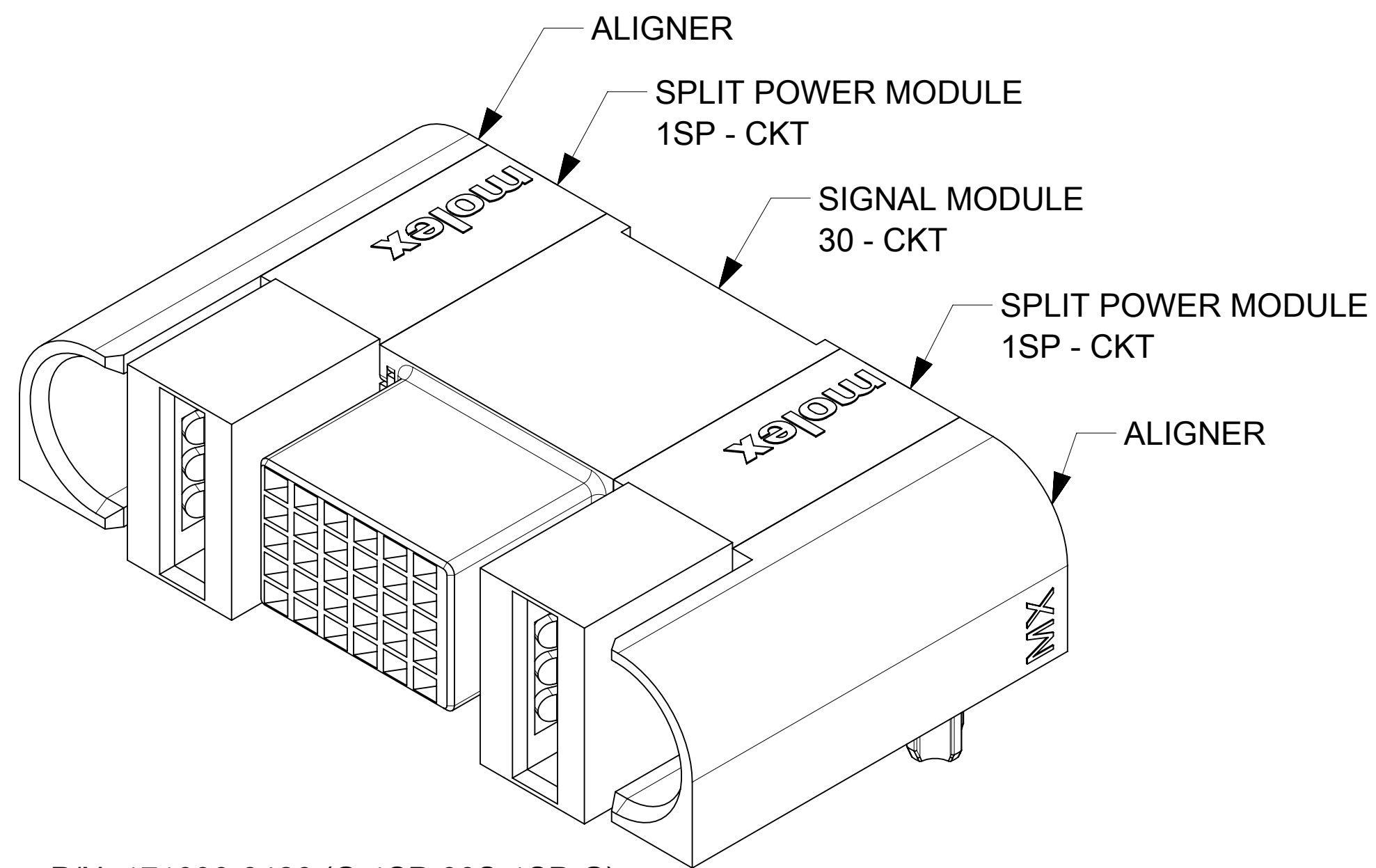
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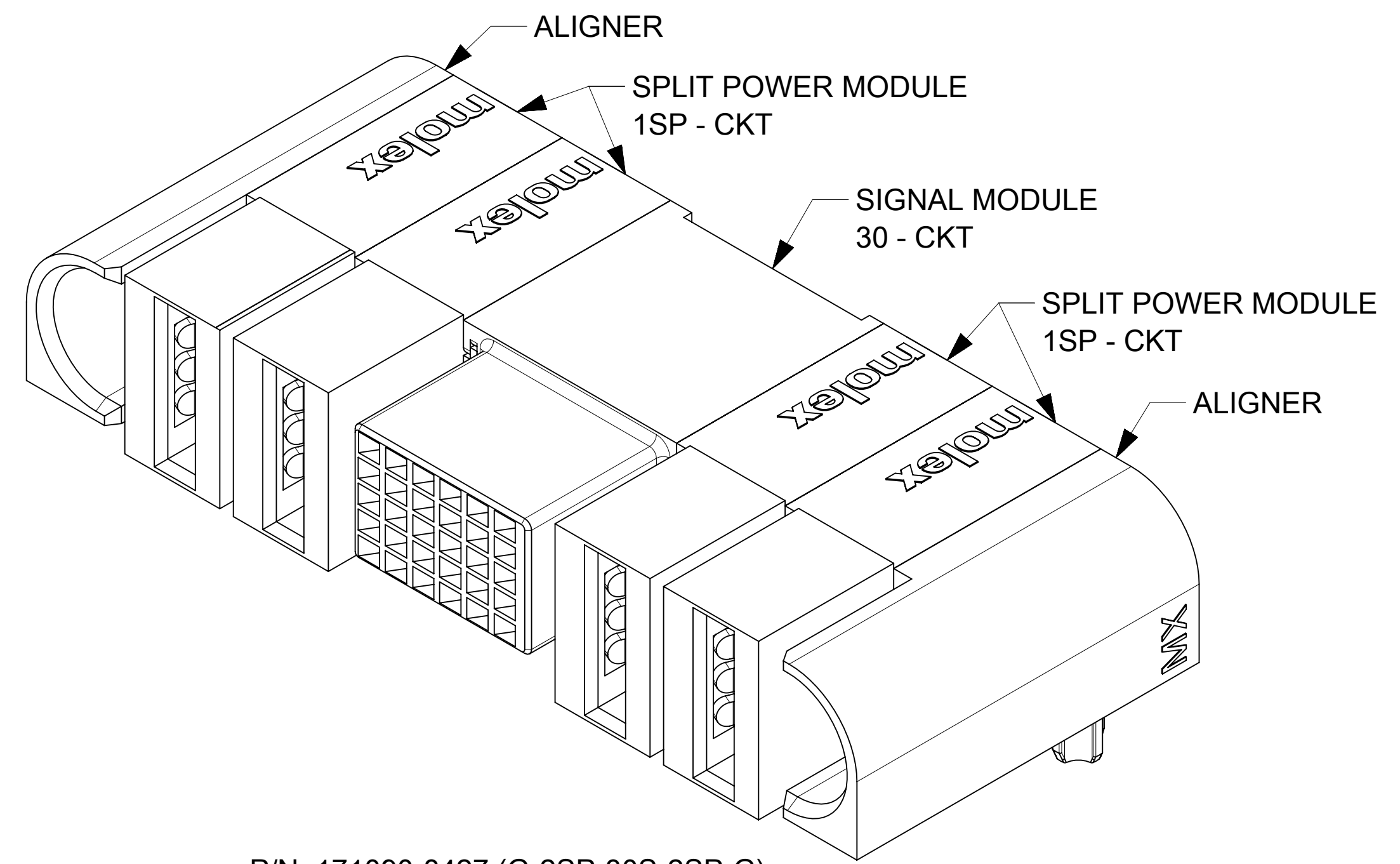
P/N: 171090-8425 (G-5SP-15S-5SP-G)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED ISO VIEWS					
mm		4:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 0.5°				EC NO: 689821					
4 PLACES ±				DRWN: KSUTAR		2021/12/15			
3 PLACES ±				CHK'D: GJEEVANSURES		2021/12/22			
2 PLACES ± 0.13				APPR: HTHYAGARAJ		2022/02/14			
1 PLACE ± 0.25				INITIAL REVISION:					
0 PLACES ±				DRWN: KSUTAR		2021/09/27			
				APPR: HTHYAGARAJ		2021/11/08			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		
					D-SIZE		171090		
MATERIAL NUMBER				CUSTOMER		SHEET NUMBER			
SEE TABLE				GENERAL MARKET		3 OF 4			

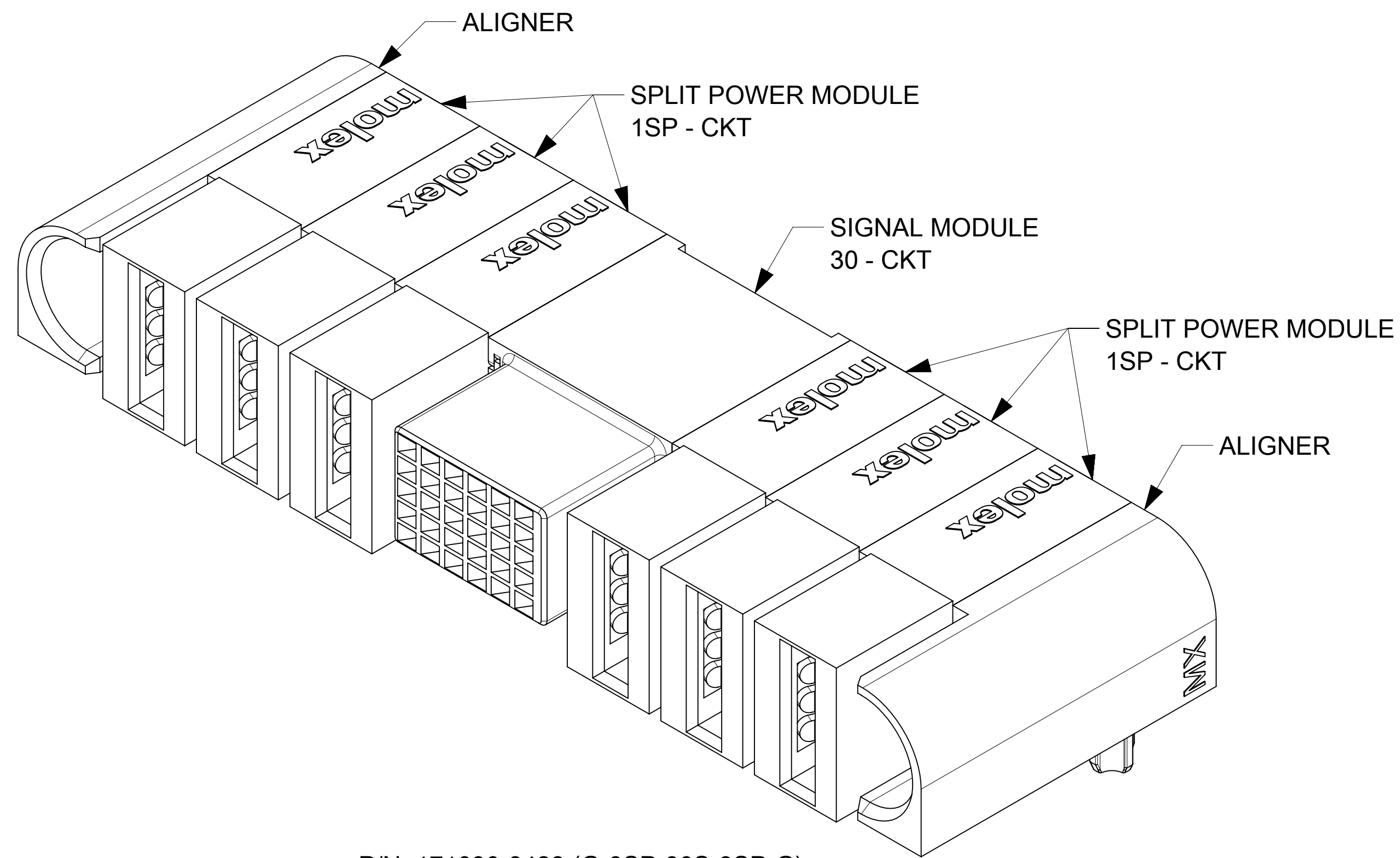
DOCUMENT STATUS	P1	RELEASE DATE	2022/02/14	09:02:32
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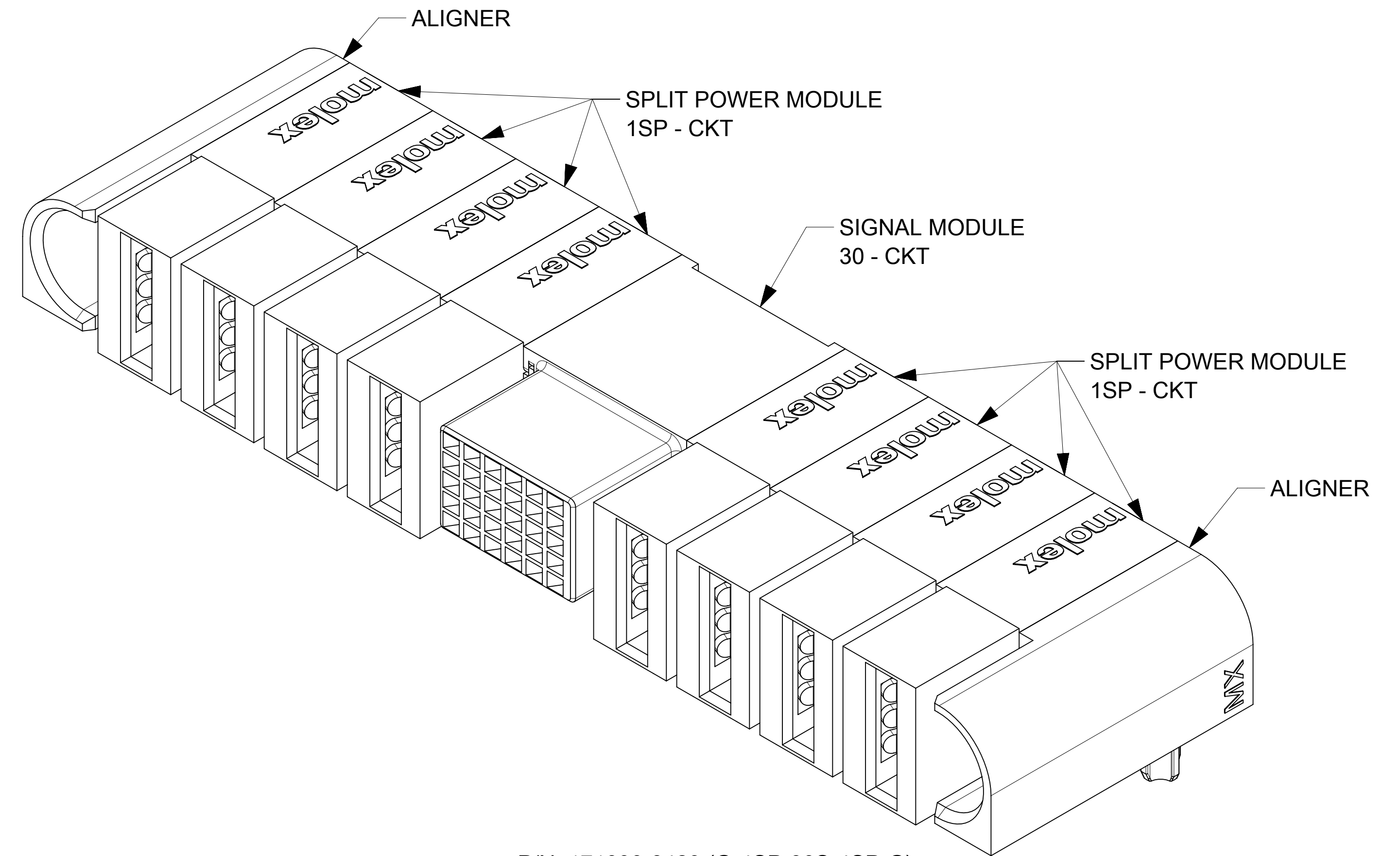
P/N: 171090-8426 (G-1SP-30S-1SP-G)



P/N: 171090-8427 (G-2SP-30S-2SP-G)



P/N: 171090-8428 (G-3SP-30S-3SP-G)



P/N: 171090-8429 (G-4SP-30S-4SP-G)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED ISO VIEWS									
mm		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 689821									
ANGULAR TOL ± 0.5°				DRWN: KSUTAR		2021/12/15		G-*SP-*S-*SP-G R/A RECEP ASSY - TEN60 SPLIT POWER					
4 PLACES ±				CHK'D: GJEEVANSURES		2021/12/22							
3 PLACES ±				APPR: HTHYAGARAJ		2022/02/14		PRODUCT CUSTOMER DRAWING					
2 PLACES ± 0.13				INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
1 PLACE ± 0.25				DRWN: KSUTAR		2021/09/27		1710908430		PSD	000	A1	
0 PLACES ±				APPR: HTHYAGARAJ		2021/11/08		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SEE TABLE		GENERAL MARKET	4 OF 4