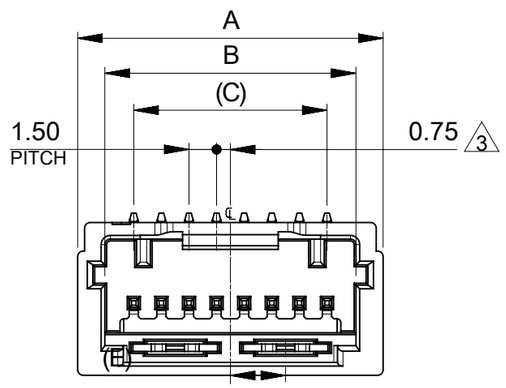



注)
NOTE

1. 嵌合相手:201647シリーズ
   MATE WITH:201647 SERIES.

2 製品番号　MATERIAL NO.

201648 0** *

極数 CIRCUIT SIZE　　色 COLOR

NO.	COLOR
0	NATURAL
1	BLACK
2	RED
3	YELLOW
4	BLUE

3 偶数極に適用
APPLY FOR CKT SIZE EQUAL EVEN.

4. 端子テール部及びネイルの平坦度は0.12MAX.とする。
   TAIL AND NAIL COPLANARITY TO BE 0.12 MAX.

部品 PART	材質 MATERIAL	
ハウジング HOUSING	ポリアミド(PA), ガラス充填, UL94V-0, 色：注記参照 POLYAMIDE(PA), GLASS FILLED, UL94V-0, COLOR: SEE NOTE	
ターミナル TERMINAL	黄銅 BRASS	
	錫めっき (リフロー処理), 1.0μm以上 TIN PLATED (HEAT TREATED MATTE TIN), 1.0μm MIN.	前めっき PRE-PLATED
	ニッケルめっき(下地), 0.5μm以上 NICKEL (UNDER-PLATED), 0.5μm MIN.	
ネイル NAIL	黄銅 BRASS	
	無光沢錫めっき, 1.0μm以上 MATTE TIN, 1.0μm MIN.	
	ニッケルめっき(下地), 1.0μm以上 NICKEL (UNDER-PLATED), 1.0μm MIN.	

4	3.00	17.85	22.50	25.65	28.60	201648016*	16
3	8.25	17.85	21.00	24.15	27.10	201648015*	15
3	7.50	17.85	19.50	22.65	25.60	201648014*	14
3	6.75	12.00	18.00	21.15	24.10	201648013*	13
3	6.00	12.00	16.50	19.65	22.60	201648012*	12
2	5.25	12.00	15.00	18.15	21.10	201648011*	11
2	4.50	12.00	13.50	16.65	19.60	201648010*	10
2	3.75	8.50	12.00	15.15	18.10	201648009*	9
2	3.00	8.50	10.50	13.65	16.60	201648008*	8
1	-	8.50	9.00	12.15	15.10	201648007*	7
1	-	5.55	7.50	10.65	13.60	201648006*	6
1	-	5.55	6.00	9.15	12.10	201648005*	5
1	-	5.55	4.50	9.00	12.10	201648004*	4
1	-	4.20	3.00	7.50	10.60	201648003*	3
1	-	2.90	1.50	6.00	9.10	201648002*	2
NAIL QTY	E	D	C	B	A	オーダー番号 ORDER NO.	極数 CKT NO.

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DIMENSION UNITS: mm　SCALE: 3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	0.2
3 PLACES	±	0.2
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN #515183

EC NO: 826030
DRWN: PRANAA 2025/06/19
CHK'D: GGA 2025/07/01
APPR: GGA 2025/07/01

INITIAL REVISION:
DRWN: MIKEDA01 2017/02/09
APPR: TKANEKO 2017/02/15

THIRD ANGLE PROJECTION　DRAWING: A3-SIZE　SERIES: 201648

molex

SPOT-ON 1.5
SINGLE PLUG ASSY

PRODUCT CUSTOMER DRAWING

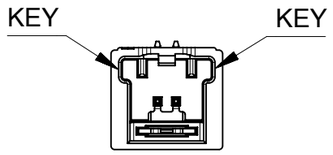
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2016480001	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2016480***	GENERAL	1 OF 4

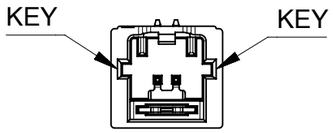
DOCUMENT STATUS: P1　RELEASE DATE: 2025/07/01　07:04:11

FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01

2~4極
2~4CKT



NATURAL(BEIGE)



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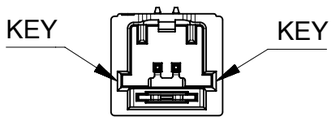
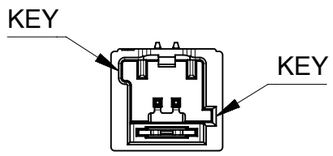
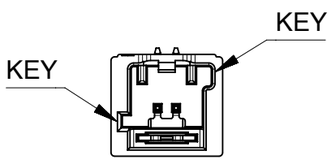


RED

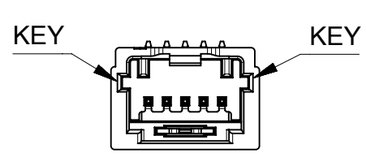


YELLOW



BLUE

5極
5CKT



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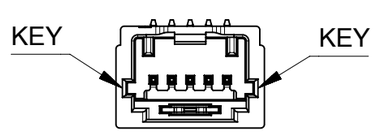

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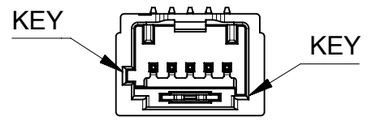
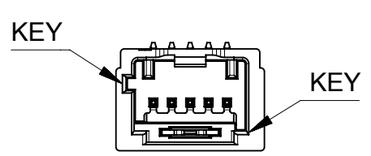
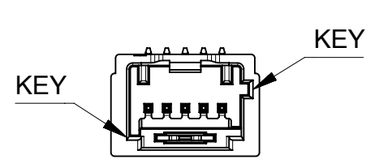


RED



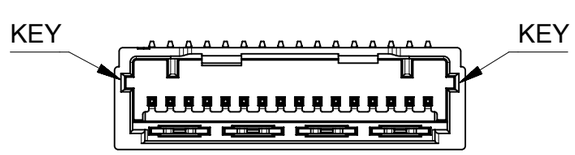
YELLOW



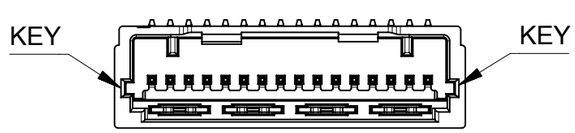
BLUE

色によるキー位置違い
COLOR VS KEY POSITION

6~16極
6~16CKT



NATURAL(BEIGE)



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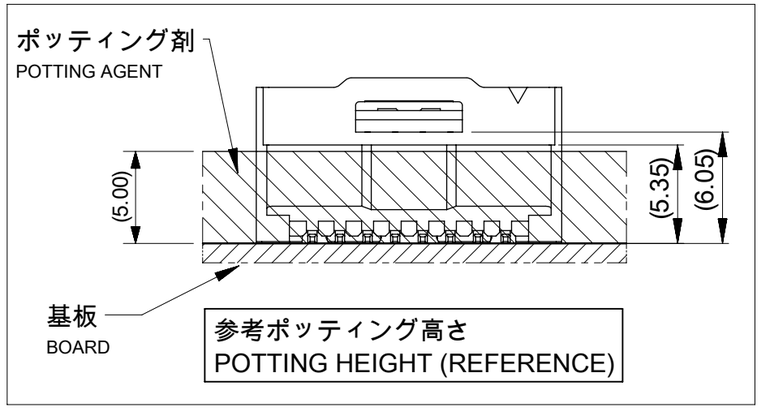

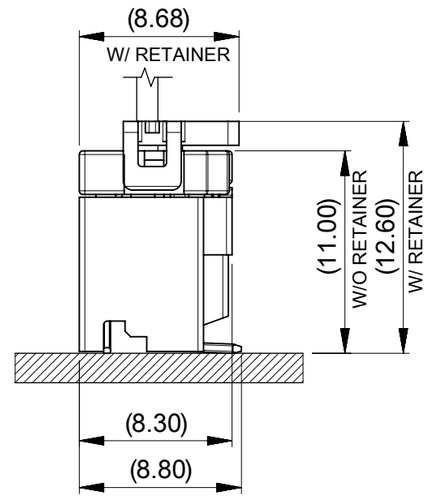

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DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	0.2
3 PLACES	±	0.2
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN #515183

EC NO: 826030
DRWN: PRANAA 2025/06/19
CHK'D: GGA 2025/07/01
APPR: GGA 2025/07/01

INITIAL REVISION:
DRWN: MIKEDA01 2017/02/09
APPR: TKANEKO 2017/02/15

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 201648

molex

SPOT-ON 1.5
SINGLE PLUG ASSY

PRODUCT CUSTOMER DRAWING

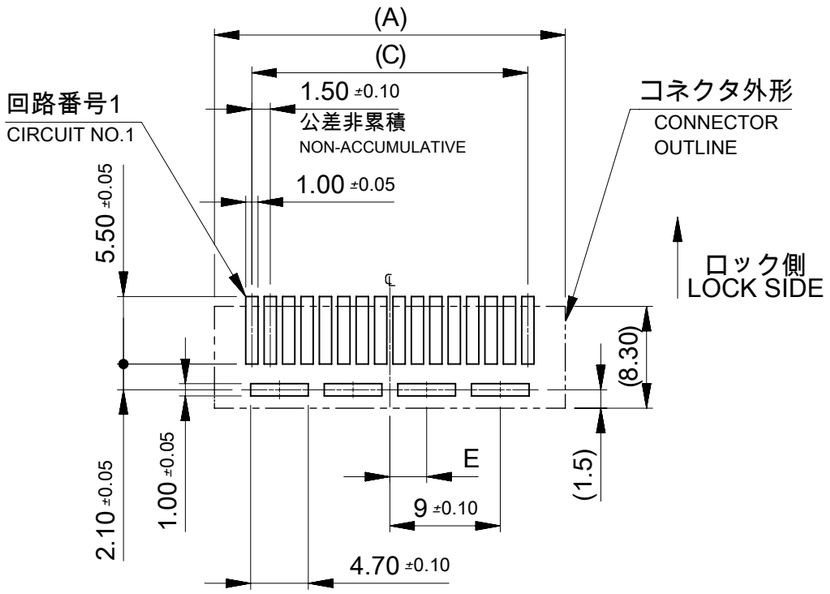
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2016480001	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2016480***	GENERAL	2 OF 4

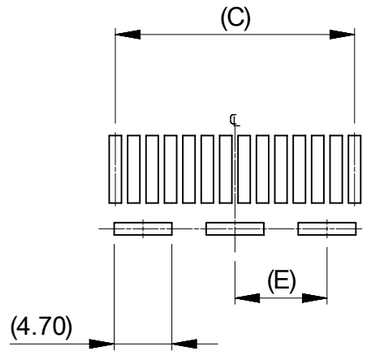
DOCUMENT STATUS	P1	RELEASE DATE	2025/07/01 07:04:11

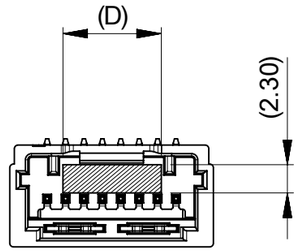
FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01

16極
16CKT



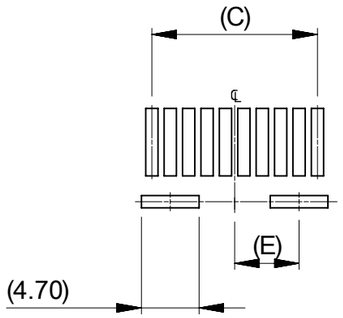
12~15極
12~15CKT



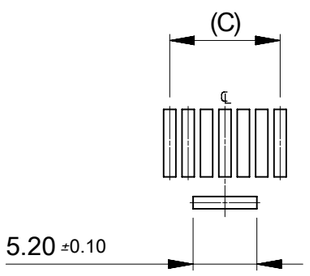


吸着範囲
VACCUME AREA

8~11極
8~11CKT



2~7極
2~7CKT



推奨基板パターンレイアウト
RECOMMENDED PCB PATTERN LAYOUT

メタルマスク厚：0.15
METAL MASK THICKNESS: 0.15

開口率：100%
APARTURE RATIO: 100%

BLUE	YELLOW	RED	BLACK	NATURAL (BEIGE)	HOUSING COLOR
-	-	-	2016480161	-	16
-	-	-	-	-	15
-	-	-	2016480141	-	14
-	-	-	-	-	13
-	-	-	2016480121	-	12
-	-	-	-	-	11
-	-	-	2016480101	-	10
-	-	-	-	-	9
-	-	-	2016480081	2016480080	8
-	-	-	-	-	7
-	-	-	2016480061	-	6
-	-	-	-	2016480050	5
-	-	2016480042	-	2016480040	4
2016480034	-	-	-	2016480030	3
2016480024	-	2016480022	-	2016480020	2

エンボステープ梱包
EMBOSSED TAPE PKG

極数
CKT NO.

△2 オーダー番号
ORDER NO.

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DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
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3 PLACES	±	0.2
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN #515183

EC NO: 826030
DRWN: PRANAA 2025/06/19
CHK'D: GGA 2025/07/01
APPR: GGA 2025/07/01

INITIAL REVISION:
DRWN: MIKEDA01 2017/02/09
APPR: TKANEKO 2017/02/15

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 201648

molex

SPOT-ON 1.5
SINGLE PLUG ASSY

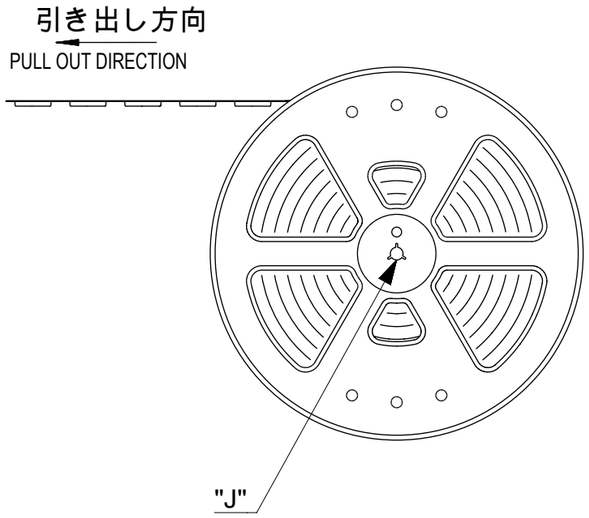
PRODUCT CUSTOMER DRAWING

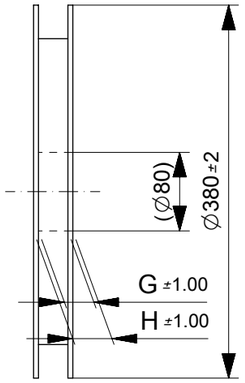
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2016480001	PSD	000	B1

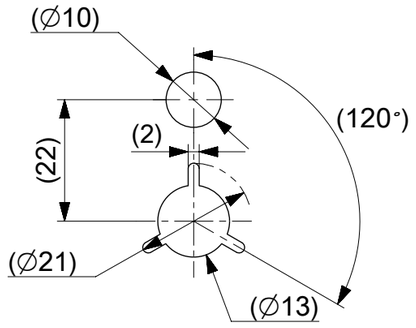
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2016480***	GENERAL	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2025/07/01 07:04:11

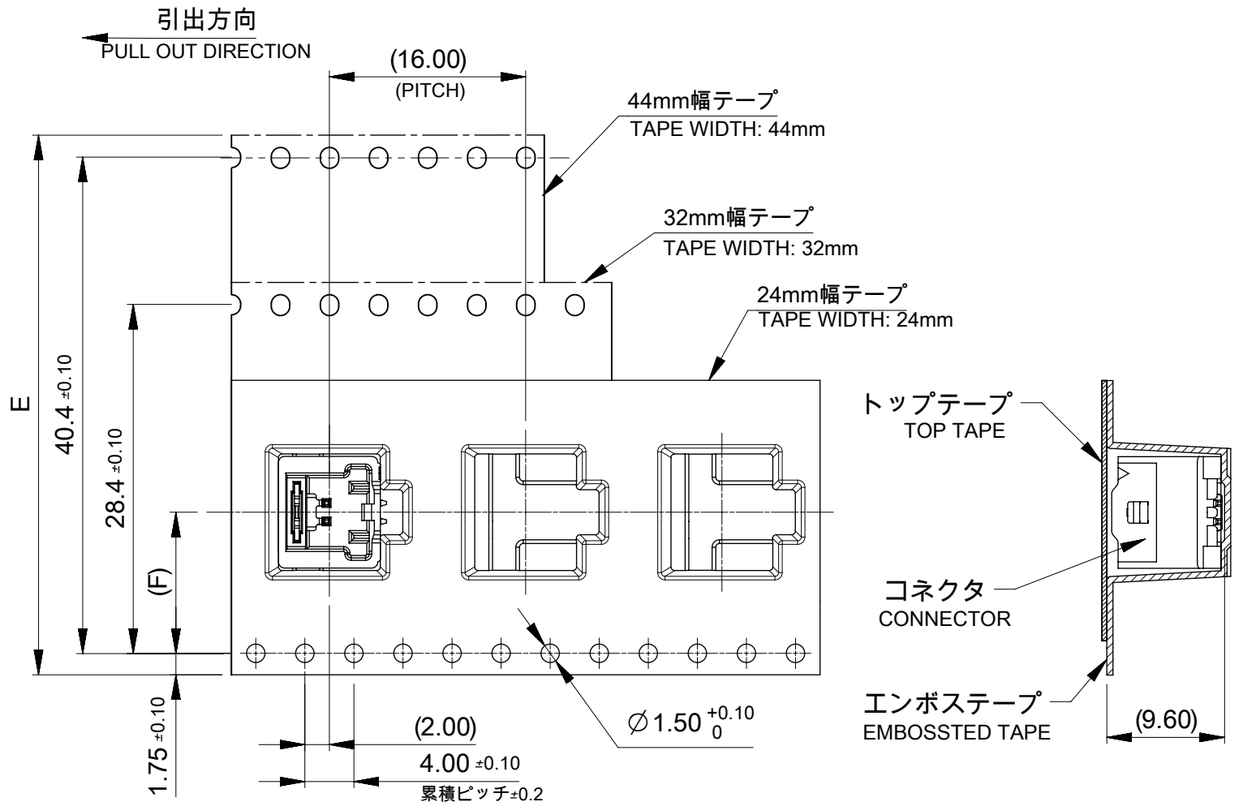
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01





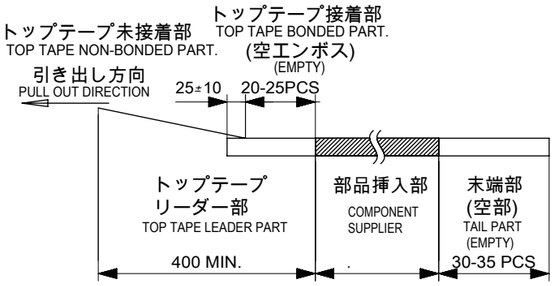


DETAIL "J"



NOTES

5. 梱包数量： 590個 / リール
   NUMBER OF CONNECTORS : 590 PCS/REEL.
6. リードテープ長さ
   LEAD TAPE LENGTH.



7. 材料
   キャリアテープ：ポリスチレン(PS)、その他
   トップテープ：ポリエステル(PET)、その他
   リール：ポリスチレン(PS)リサイクル材を含む
   MATERIALS
   CARRIER TAPE : POLYSTYRENE(PS), OTHER
   TOP TAPE : POLYESTER(PET), OTHER
   REEL : POLYSTYRENE(PS) RECYCLE MATERIAL CONTAINED

H	G	F	E エンボステープ幅 WIDTH OF TAPE	エンボステープ梱包 EMBOSSED TAPE PKG オーダー番号 ORDER NO.	極数 CKT NO.
48.4	44.4	20.2	44 ±0.3	201648160*	16
				201648150*	15
				201648140*	14
				201648130*	13
				201648120*	12
				201648110*	11
36.4	32.4	14.2	32 ±0.3	201648100*	10
				201648090*	9
				201648080*	8
				201648070*	7
28.4	24.4	11.5	24 +0.3 -0.1	201648060*	6
				201648050*	5
				201648040*	4
				201648030*	3
				201648020*	2

DOCUMENT STATUS	P1	RELEASE DATE	2025/07/01 07:04:11

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DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
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3 PLACES	±	0.2
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN #515183

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APPR: GGA 2025/07/01

INITIAL REVISION:
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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 201648

molex

SPOT-ON 1.5
SINGLE PLUG ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2016480001	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2016480***	GENERAL	4 OF 4

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01