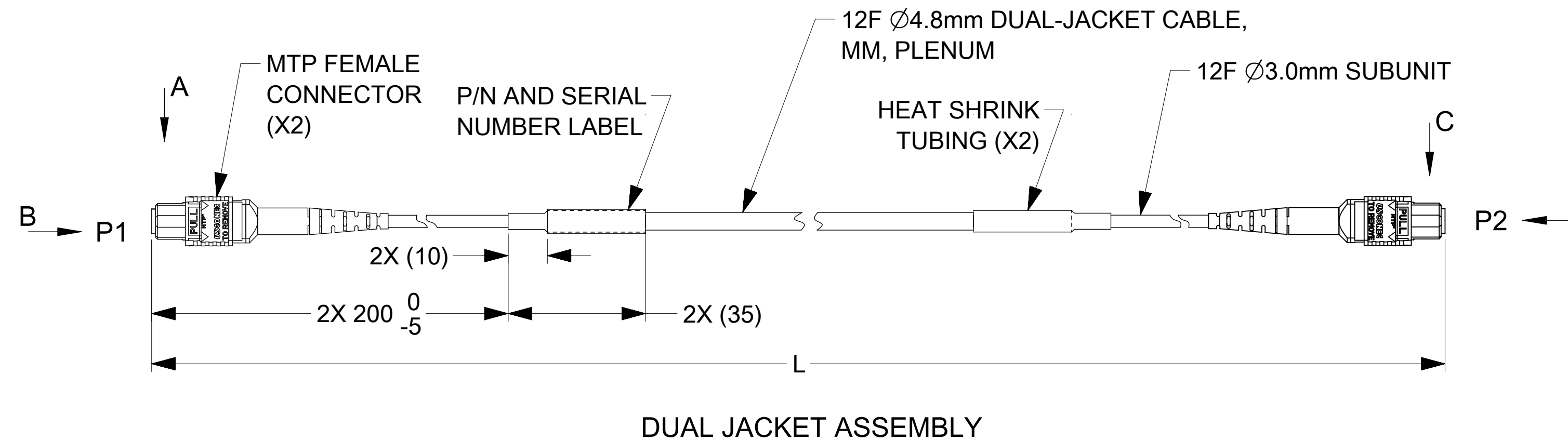
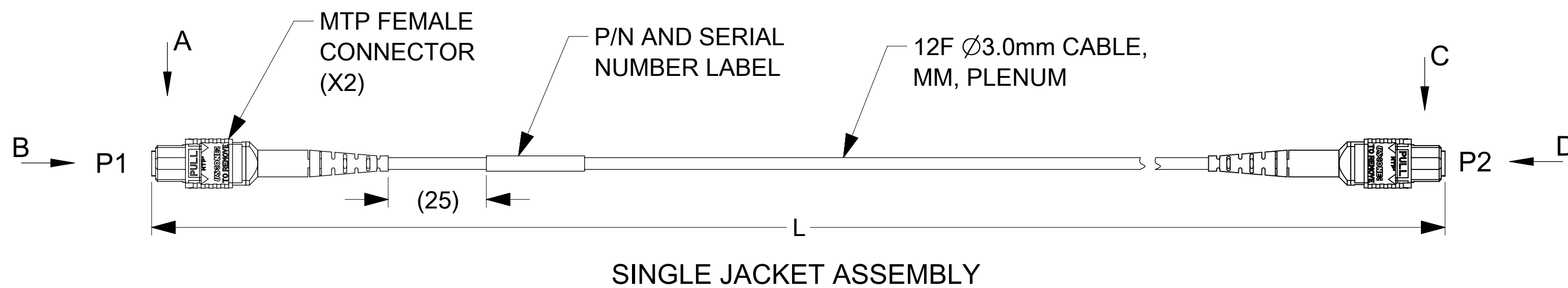
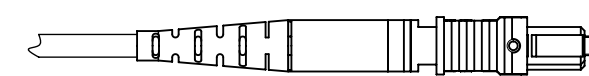
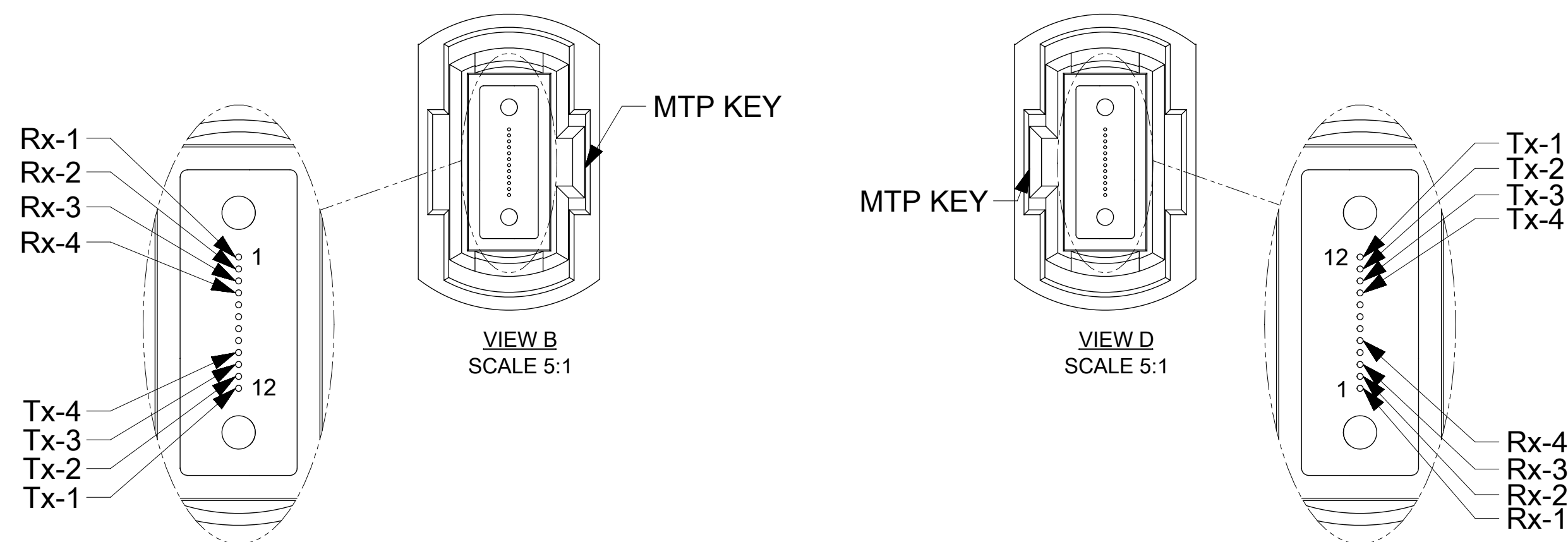


VIEW A



VIEW C



NOTE:

CABLE ASSEMBLY SPECIFICATIONS:

OPTICAL PROPERTIES	
FIBER TYPE	MULTIMODE 50/125 μm BEND-INSENSITIVE
CONNECTOR INSERTION LOSS MTP/LC (MAX.)	0.5/0.35 dB
CABLE ATTENUATION (MAX.)	3.5/1.2 dB/km AT 850/1300 nm
OVERFILLED LAUNCH BANDWIDTH, MIN.	SEE TABLE 1
ENVIRONMENTAL PROPERTIES	
CONNECTOR MATERIALS	UL94 V-0
CABLE FLAMMABILITY RATING	PLENUM OFNP (NFPA262/UL 910)
OPERATING TEMPERATURE RANGE	-0°C TO +70°C
MECHANICAL PROPERTIES	
FIBER COUNT	4 Tx X 4 Rx
CABLE MIN. BEND RADIUS	
SHORT TERM	45mm - SINGLE JACKET 72mm - DUAL JACKET
LONG TERM	20mm - SINGLE JACKET 48mm - DUAL JACKET
NO LOAD	10mm - SINGLE JACKET OR SUBUNIT OF DUAL JACKET
CABLE COMPRESSION FORCE	>3.5 N/mm

TABLE 1

FIBER TYPE	OVERFILLED LAUNCH BANDWIDTH, MIN. (MHz-km)		10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		EFFECTIVE MODAL BANDWIDTH (MHz-km)
	850 nm	1300 nm	850 nm	1300 nm	850 nm
STANDARD BANDWIDTH (OM2)	500	500	86	---	---
HIGH BANDWIDTH (OM3)	1500	500	300	---	2000
HIGH BANDWIDTH (OM4)	3500	550	550	---	4700

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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex					
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± 0.5°												
4 PLACES		±					EC NO: 743399			MOLEX QSFP OPTICAL CABLE ASSEMBLY		
3 PLACES		±		DRWN: IGUMIN 2023/03/22								
2 PLACES		±		CHK'D: TTYBOR 2023/03/24								
1 PLACE		±		APPR: TTYBOR 2023/03/24			PRODUCT CUSTOMER DRAWING					
0 PLACES		±		INITIAL REVISION:								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
								SD-106283-00XX		PSD	001	E12
				D-SIZE		106283		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
								SEE TABLE		GENERAL MARKET		1 OF 2

3		2		1	
OPTICAL CONNECTION					
FROM P1		FIBER #		TO P2	
				FIBER #	
Rx-1		1		Tx-1	
Rx-2		2		Tx-2	
Rx-3		3		Tx-3	
Rx-4		4		Tx-4	
dummy		5		dummy	
dummy		6		dummy	
dummy		7		dummy	
dummy		8		dummy	
Tx-4		9		Rx-4	
Tx-3		10		Rx-3	
Tx-2		11		Rx-2	
Tx-1		12		Rx-1	

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STANDARD BANDWIDTH (OM2 FIBER)			HIGH BANDWIDTH (OM3 FIBER)			HIGH BANDWIDTH (OM4 FIBER)			OVERALL LENGTH L (m)																				
ASSY P/N	CABLE JACKET COLOR	CONN. BODY COLOR	ASSY P/N	CABLE JACKET COLOR	CONN. BODY COLOR	ASSY P/N	CABLE JACKET COLOR	CONN. BODY COLOR																					
TBD	ORANGE (SINGLE JACKET)	BLACK	1062831000	AQUA (SINGLE JACKET)	AQUA	1062837501	AQUA (SINGLE JACKET)	AQUA	0.5 +0.1/-0																				
1062830001			1062831001			1062837001			1.0 +0.2/-0																				
1062830115			1062831115			1062837502			1.5+0.2/-0																				
1062830002			1062831002			1062837002			2.0 +0.2/-0																				
1062830125			1062831125			1062837503			2.5+0.2/-0																				
1062830003			1062831003			1062837003			3.0 +0.2/-0																				
TBA			1062831103			TBA			3.5 +0.2/-0																				
1062830004			1062831004			1062837004			4.0 +0.2/-0																				
1062830005			1062831005			1062837005			5.0 +0.2/-0																				
1062830006			1062831006			1062837006			6.0 +0.2/-0																				
1062830007			1062831007			1062837007			7.0 +0.2/-0																				
1062830008			1062831008			1062837008			8.0 +0.2/-0																				
1062830009			1062831009			1062837009			9.0 +0.2/-0																				
1062830010			1062831010			1062837010			10.0 +0.3/-0																				
1062830011			1062831011			1062837011			11.0 +0.3/-0																				
1062830012			1062831012			1062837012			12.0 +0.3/-0																				
1062830013			1062831013			1062837013			13.0 +0.3/-0																				
1062830014			1062831014			1062837014			14.0 +0.3/-0																				
1062830015			1062831015			1062837015			15.0 +0.3/-0																				
1062830016			1062831016			1062837016			16.0 +0.3/-0																				
1062830017			1062831017			1062837017			17.0 +0.3/-0																				
1062830018			1062831018			1062837018			18.0 +0.3/-0																				
1062830019			1062831019			1062837019			19.0 +0.3/-0																				
1062830020			1062831020			1062837020			20.0 +0.4/-0																				
1062830021			1062831021		1062837021	21.0 +0.4/-0																							
1062830022			1062831022		1062837022	22.0 +0.4/-0																							
1062830023			1062831023		1062837023	23.0 +0.4/-0																							
1062830024			1062831024		1062837024	24.0 +0.4/-0																							
1062830025			1062831025		1062837025	25.0 +0.5/-0																							
1062830026			1062831026		1062837026	26.0 +0.5/-0																							
1062830027			1062831027		1062837027	27.0 +0.5/-0																							
1062830028			1062831028		1062837028	28.0 +0.5/-0																							
1062830029			1062831029		1062837029	29.0 +0.5/-0																							
1062830030	ORANGE (DUAL JACKET)		AQUA (DUAL JACKET)	1062831030	AQUA (DUAL JACKET)	1062837030	AQUA (DUAL JACKET)	30.0 +0.6/-0																					
1062830035				1062831035		1062837035		35.0 +0.7/-0																					
1062830040				1062831040		1062837040		40.0 +0.8/-0																					
1062830045				1062831045		1062837045		45.0 +0.9/-0																					
1062830050				1062831050		1062837050		50.0 +1.0/-0																					
				1062831055		1062837055		55.0 +1.1/-0																					
				1062831060		1062837060		60.0 +1.2/-0																					
				1062831065		1062837065		65.0 +1.3/-0																					
				1062831070		1062837070		70.0 +1.4/-0																					
				1062831075		1062837075		75.0 +1.5/-0																					
				1062831080		1062837080		80.0 +1.6/-0																					
				1062831085		1062837085		85.0 +1.7/-0																					
				1062831090		1062837090		90.0 +1.8/-0																					
				1062831095		1062837095		95.0 +1.9/-0																					
				1062831100		1062837100		100.0 +2.0/-0																					
				1062831120		TBA		120.0 +2.4/-0																					
				1062831150		1062837150		150.0 +3.0/-0																					
				1062831300	TBA	300.0 +6.0/-0																							
				TBA	1062837400	400.0 +8.0/-0																							

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex									
mm		1:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 743399 DRWN: IGUMIN 2023/03/22 CHK'D: TTYBOR 2023/03/24 APPR: TTYBOR 2023/03/24													
ANGULAR TOL ± 0.5 °																	
4 PLACES		±															
3 PLACES		±		INITIAL REVISION: DRWN: IGUMIN 2007/02/13 APPR: IGUMIN 2007/02/13				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION					
2 PLACES		±						SD-106283-00XX		PSD	001	E12					
1 PLACE		±															
0 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								D-SIZE		106283		SEE TABLE		GENERAL MARKET		2 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/24	21:15:18															
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