

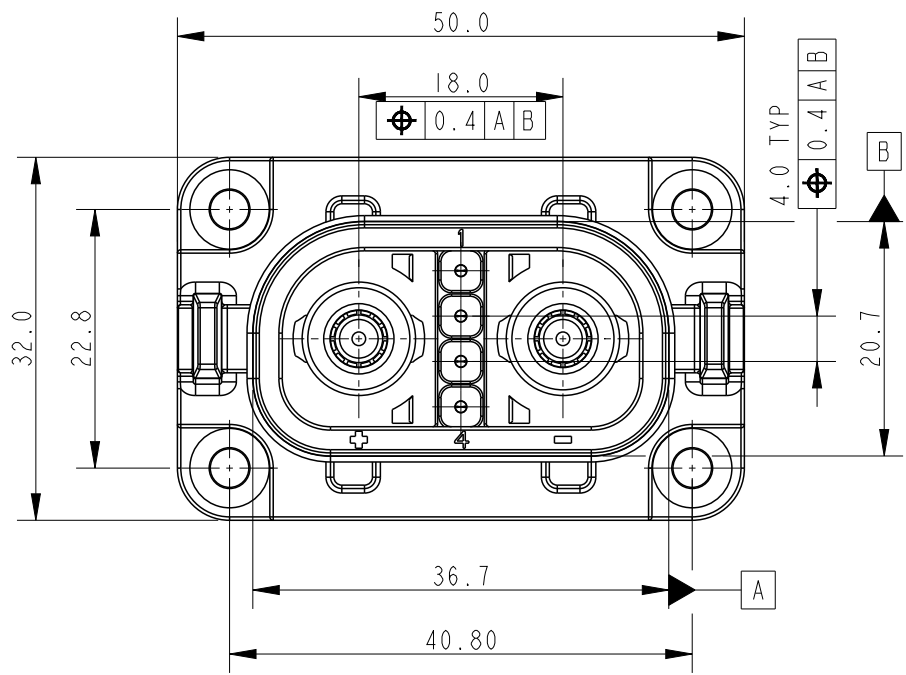
A

B

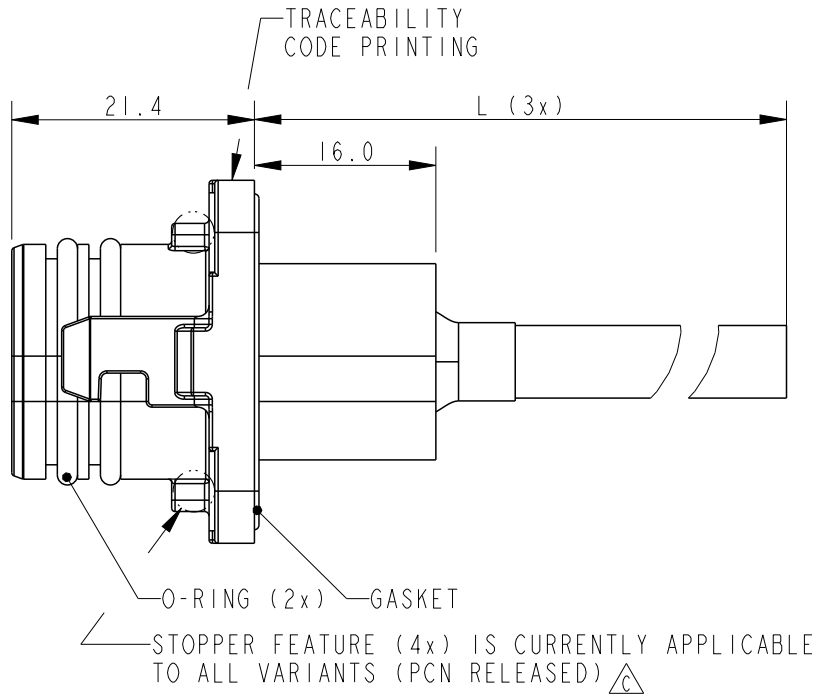
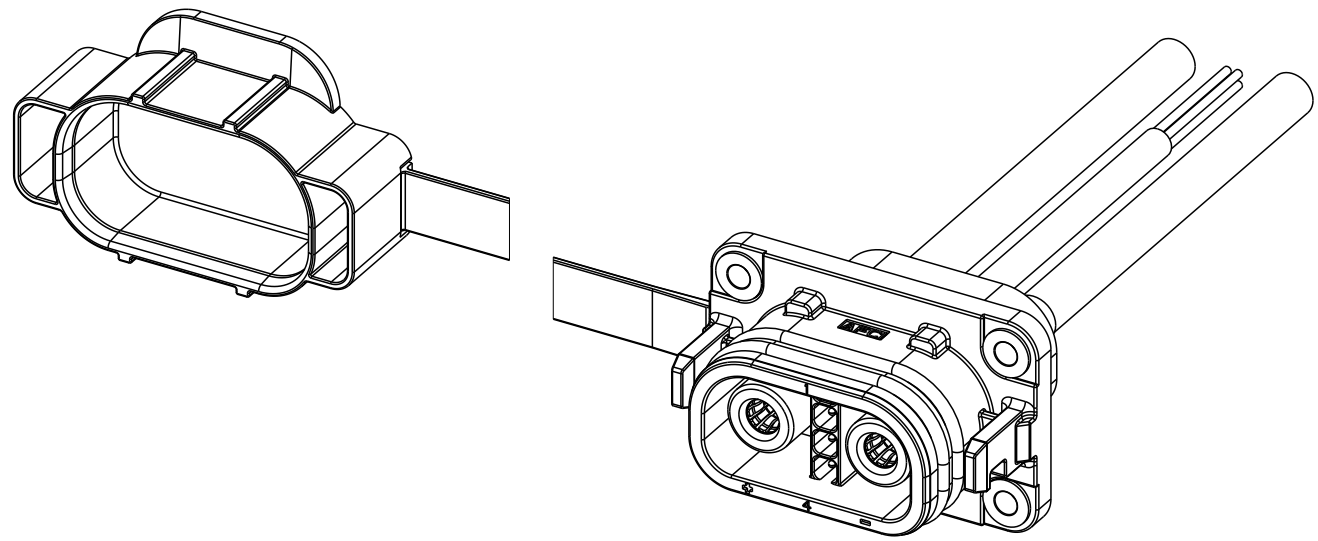
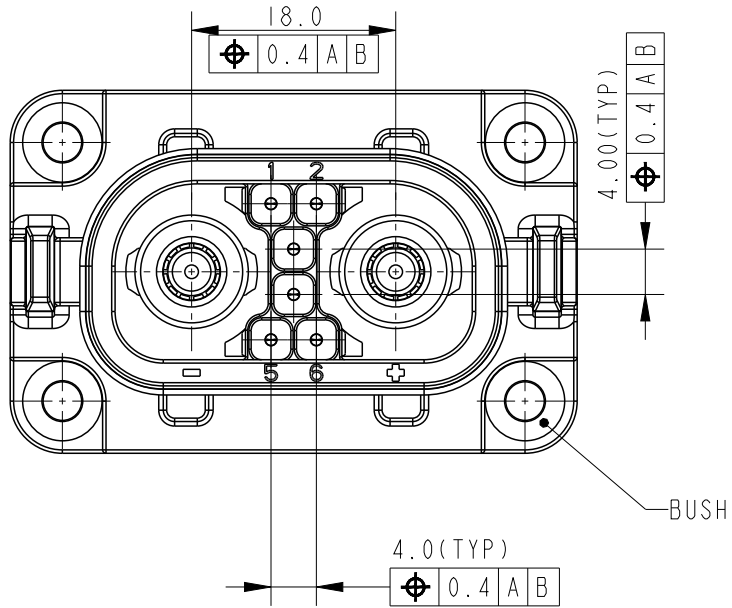
C

D

AU10169535-X24XXLF
2 POWER, 4 SIGNAL VARIANT



AU10169535-X26XXLF
2 POWER, 6 SIGNAL VARIANT



NOTE:
SIGNAL MULTICORE CABLE SHEATH REMOVED FOR 50⁺⁵₀
AT FREE END

CABLE LENGTH TOLERANCE TABLE	
LENGTH	TOLERANCE
<=0.3 M	+25 MM -0 MM
>0.3 M - 1.5 M	+50 MM -0 MM
>1.5 M - 3 M	+100 MM -0 MM
>3.0 M - 7.5 M	+ 150 MM - 0 MM

spec ref				dr	Prakash, Pravi	2022/12/30			size	A3	scale	1:1						
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Pranav Menon	2025/10/27			ecn no	ELX-I-57672-1								
				chr	-	-												
				appr	P-Mathew Nebu	2025/11/07							product family	-	rel level	Released		
surface ISO 1302	linear	0.X	±0.1		title	SOCKET ASSEMBLY				dwg no	10169537						rev	C
		0.XX	±0.05															
		0.XXX	±															
	angular	0°	±°										amphenol-icc.com	cat. no.	-	Product - Customer Drw		

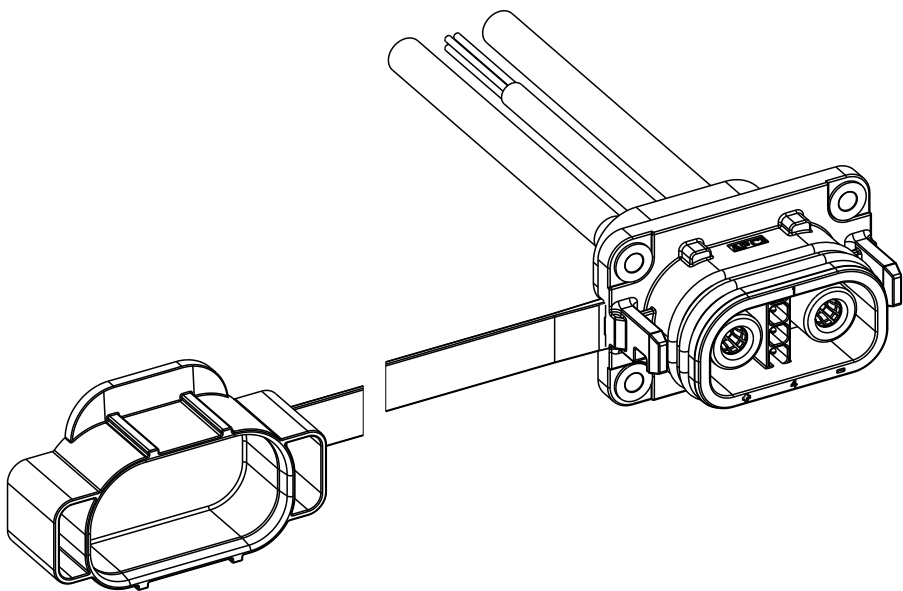
A

B

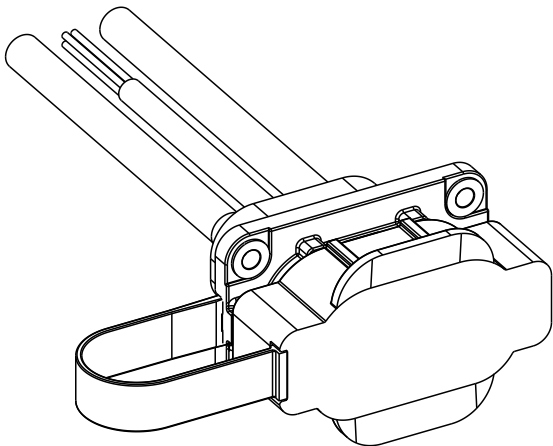
C

D

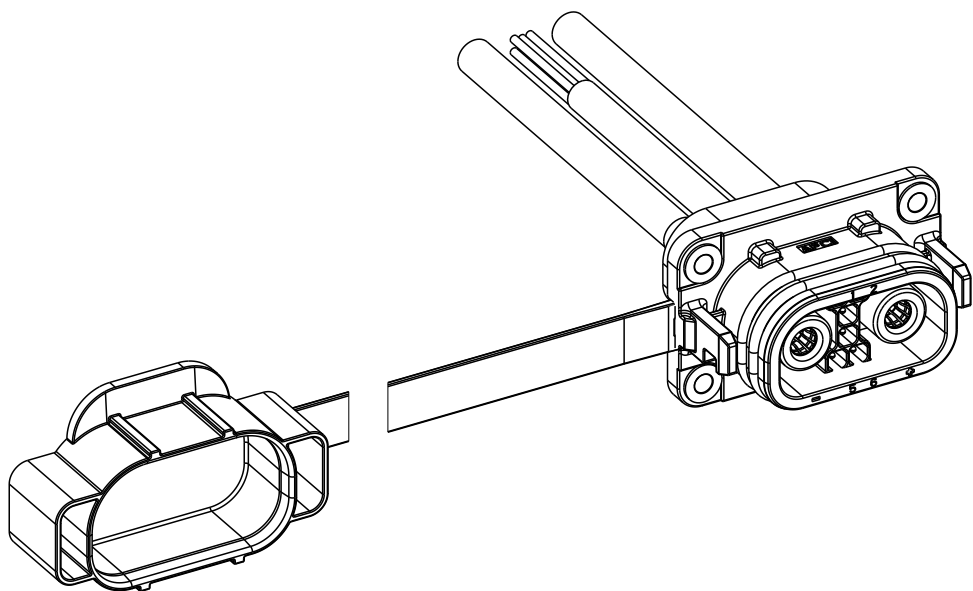
2P4S - IP CAP OPEN



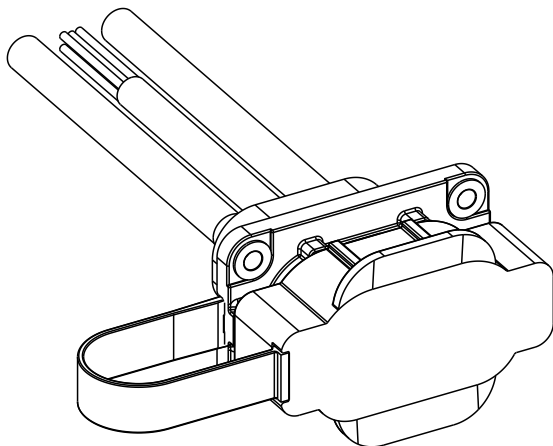
2P4S - IP CAP CLOSED



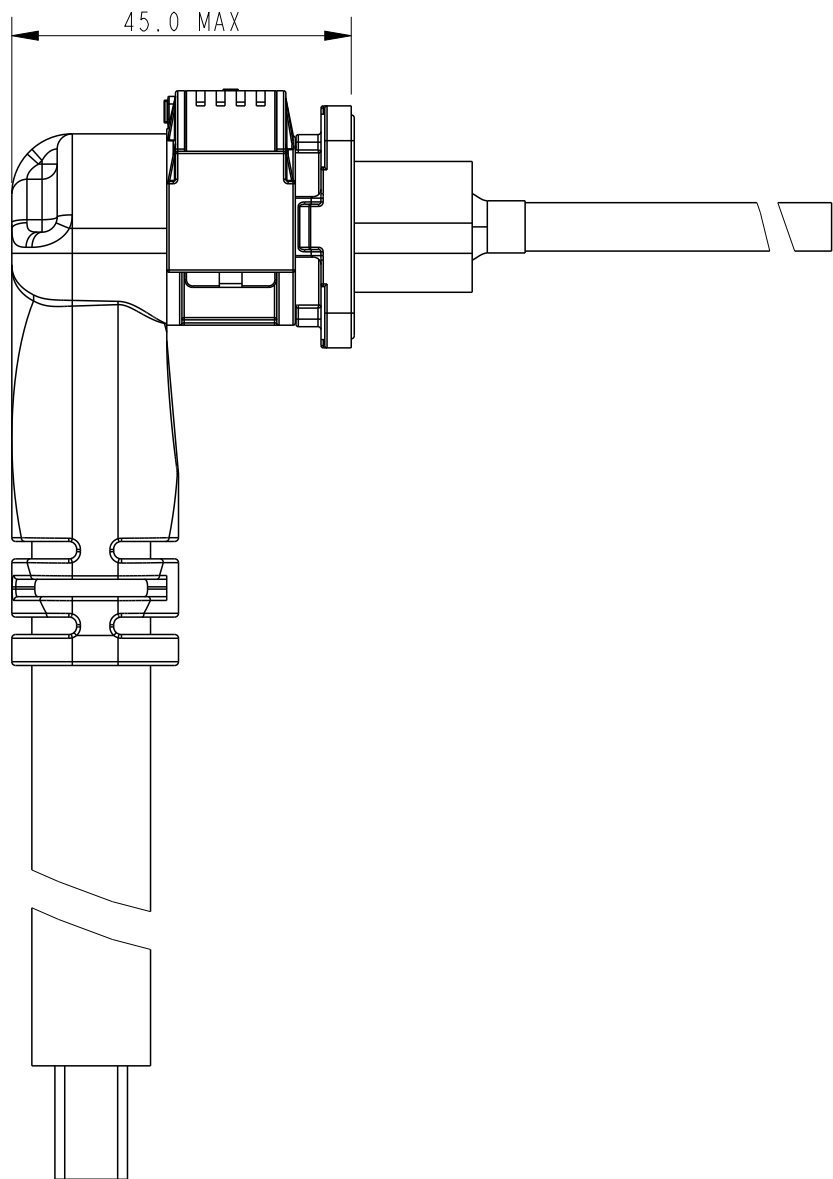
2P6S - IP CAP OPEN



2P6S - IP CAP CLOSED

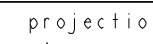
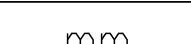


MATED CONDITION



COLOUR TABLE

PIN	2P4S	2P6S
+	ORANGE	ORANGE
-	BLACK	BLACK
1	BLUE	ORANGE
2	ORANGE	BROWN
3	BROWN	BLUE
4	GREEN	GREEN
5	-	RED (B)
6	-	WHITE

spec ref				dr		Prakash, Pravi		2022/12/30						size		A3		scale		1:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED						eng						Pranav Menon		2025/10/27		ecn no				ELX-I-57672-1							
ISO 406								chr		-		-		-		product family										-		rel level	
ISO 1101																													
 ISO 1302		linear		0.X		±0.1				title		SOCKET ASSEMBLY						dwg no		10169537						rev		C	
				0.XX		±0.05																							
				0.XXX		±																							
		angular		0°		±°		amphenol-icc.com		cat. no.		-		Product - Customer Drw						sheet 2 of 4									

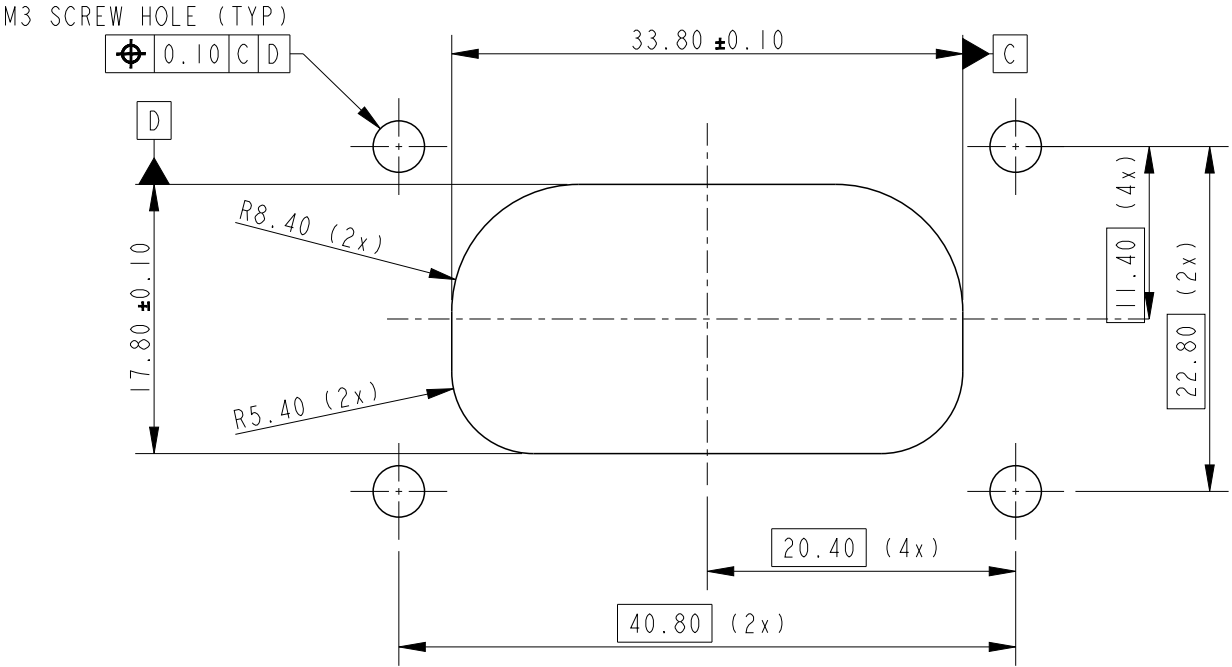
NOTES:

1. MATERIAL AND FINISH
HOUSING: POLYESTER THERMOPLASTIC
POWER TERMINAL: AG OVER CU ALLOY
SIGNAL TERMINAL: AU OVER CU ALLOY
BUSH: BRASS WITH NI PLATING
O-RING: SILICON RUBBER,
COLOR:
△ ORANGE - ALL VARIANTS (PCN RELEASED)
GASKET: SILICON RUBBER,
COLOR:
△ ORANGE - ALL VARIANTS (PCN RELEASED)
IP CAP: POLYAMIDE THERMOPLASTIC
LANYARD: TPE
POWER CABLE OPTIONS:
CHARGING CONNECTOR: 1.5/2.5 SQMM
DISCHARGING CONNECTOR: 10/16 SQMM
SIGNAL CABLE: 0.35 SQMM
2. MATING CONNECTOR DRAWING NO: 10169536
3. PATENT APPLIED FOR.
4. △ SYMBOL INDICATES A MODIFICATION
WITH CURRENT DRAWING REVISION

TECHNICAL FEATURES:

1. RATED CURRENT: UPTO 70 A
2. DIELECTRIC WITHSTANDING VOLTAGE: 500 VDC
3. INSULATION RESISTANCE: >1 GΩ
4. FLAMMABILITY RATING: UL 94 V-0
5. DURABILITY: 10,000 MATING CYCLES
6. IP RATING: IP67, MATED & UNMATED (WITH
IP CAP)
7. OPERATING TEMPERATURE: -20 TO 90 °C

RECOMMENDED PANEL LAYOUT



spec ref				dr	Prakash, Pravi	2022/12/30			size	A3	scale	1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Pranav Menon	2025/10/27			ecn no		ELX-I-57672-1	
				chr	-	-			rel level		Released	
				appr	P-Mathew Nebu	2025/11/07			product family		-	
surface ISO 1302	linear	0.X	±0.1		title SOCKET ASSEMBLY DURAEV			dwg no	10169537		rev	C
		0.XX	±0.05									
		0.XXX	±									
	angular	0°	±°									

AU

AUTOMOTIVE

1016953X

BASE NUMBER

4	PLUG
5	SOCKET
8	PLUG WITH IP CAP

RATED CURRENT (A)

G	50
J	70
K	12
M	20
N	15
P	25

NO. OF POWER CONTACTS

NO. OF SIGNAL CONTACTS

4

6

J

2

4

C

B

LF

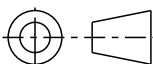
WIRE LENGTH

A	0.15M
B	0.20M
C	0.35M
D	0.50M
E	1.00M
F	1.50M
G	2.00M
H	0.60M
J	0.90M
K	0.12M
L	0.55M
M	0.75M
N	1.20M
P	0.30M
Q	0.45M
R	2.25M
S	0.175M
T	1.70M
U	3.00M
V	0.40M
W	0.17M
Y	0.80M
Z	1.75M
2	5.0M

LEAD-FREE

WIRE TYPE

	SIZE	CURRENT(A)	REFERENCE AWG
A	FLRY-B -2.5 SQMM	25	14
B	FLRY-B -10 SQMM	50	8
C	FLRY-B -16 SQMM	70	6
D	FLRY-B -1.5 SQMM	15	16
E	FLRY-C -8 SQMM	50	8
F	SILICONE-10 SQMM	50	8

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ISO 406 ISO 1101				chr		-	-			rel level				Released
				appr		P-Mathew Nebu	2025/11/07	product family				-		
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			0.XX	±0.05										
			0.XXX	±										
		angular	0°	±°	amphenol-icc.com		cat. no.		-		Product - Customer Drw			sheet 4 of 4