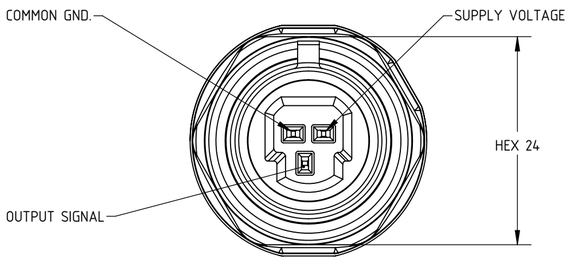
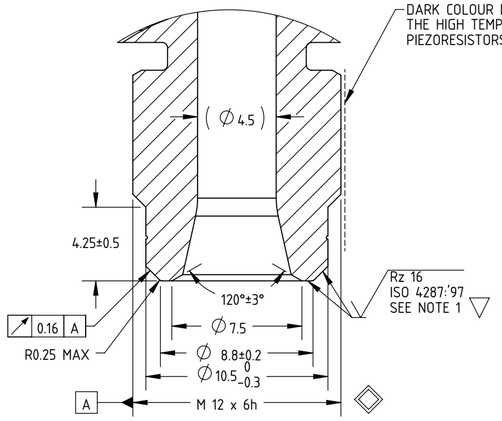
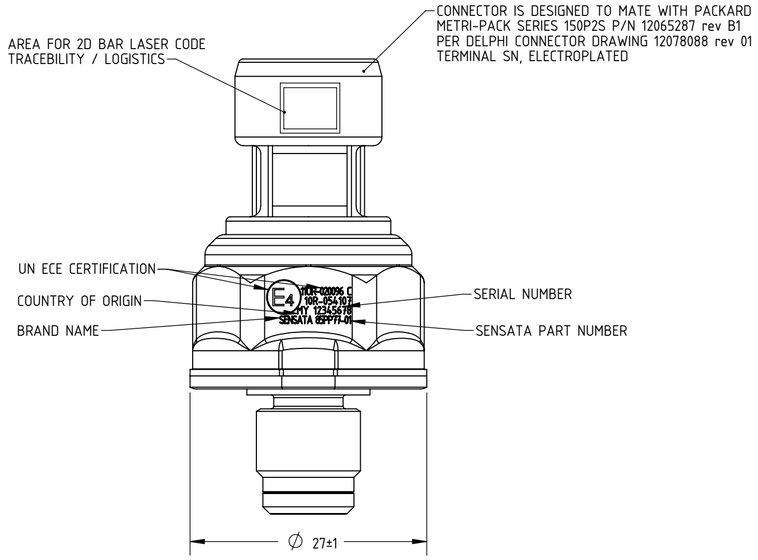
REVISION TABLE				
REV.	DESCRIPTION	ECO No	DATE	REQUESTOR
G	SEE REVISION ADDENDUM; DK	ECO-351399	06-Feb-2020	J. Hoftijzer



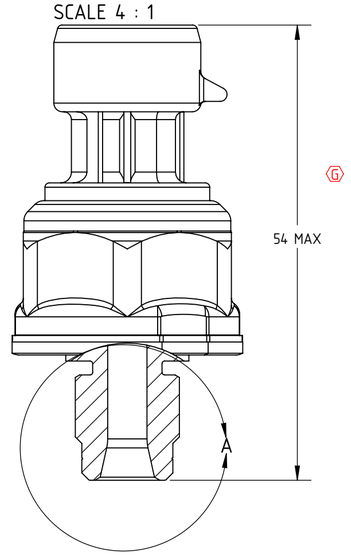


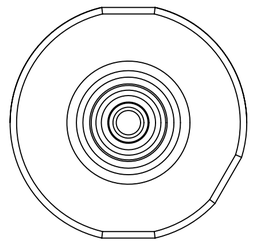
NOTE 1: MARKED SURFACE AND EDGE ARE SEALING AREAS WITH FOLLOWING SURFACE IMPERFECTION REQUIREMENT ACCORDING TO ISO 8785.
SIM = 100µm; SIM = 250µm
SIM = SIM = 75µm
SIM = SIM = 40µm

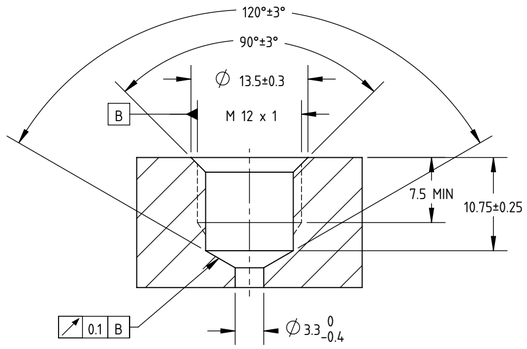
SUPPLY VOLTAGE:	4.75 TO 5.25 VDC (5VDC NOMINAL)
SUPPLY CURRENT:	10 mA
OPERATING TEMPERATURE RANGE:	-40 TO 135°C
OPERATING PRESSURE RANGE:	0 TO 250 bar (GAGE)
G LOAD RESISTOR:	1.1 kOhm OR 5.1 kOhm
PROOF PRESSURE:	520 bar
BURST PRESSURE:	1000 bar
G NOMINAL 0 BAR OUTPUT:	10% Vs FOR 1.1 kOhm AND 9.1%Vs FOR 5.1 kOhm
G NOMINAL SENSITIVITY:	16.0 mV/bar FOR 1.1 kOhm AND 16.2mV/bar FOR 5.1 kOhm
HIGH DIAGNOSTIC BAND:	>96%
LOW DIAGNOSTIC BAND:	<4%
G HIGH CLAMP RAIL:	92% ± 2%Vs
G SENSOR WEIGHT:	33 g (APPROX)
DIAGNOSTIC START UP WAVE:	DISABLED
ASSEMBLY POSITION	ANY



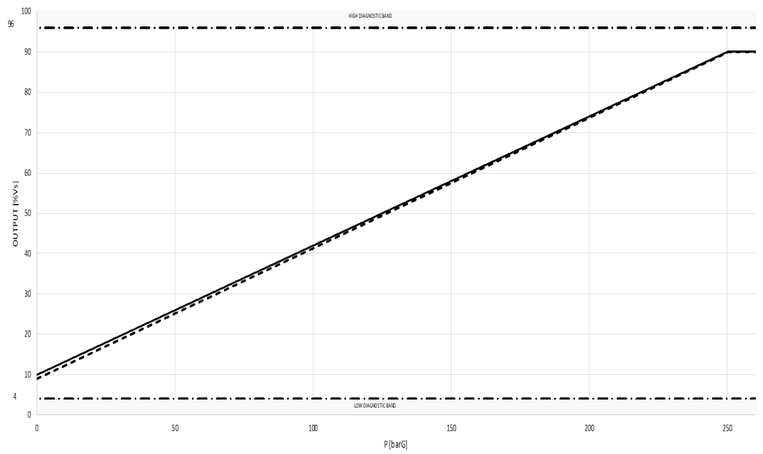
DETAIL A
SCALE 4 : 1







TRANSFER CURVE



LOAD [kOhm]	TRANSFER CURVE	LEGEND
1.1 PU	Output[%Vs]=0.3200xP[bar] + 10	———
5.1 PU	Output[%Vs]=0.3234xP[bar] + 9.1	- - - -

FOR REFERENCE ONLY, CHECK LATEST REVISION BEFORE USE.

FIRST ISSUE DATE

FIRST DRAWN BY: D. Kerinska

ENGINEER: D. Todorov

ENGINEERING SUPERVISOR: M. Dimchev

PRODUCT GROUP: MSG

MATERIAL: N.A.

GEN. ROUGHNESS: Ra, acc. ISO 1302:2002

MEASURED WEIGHT: 33.12 g.

INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.

GENERAL TOLERANCES UNLESS OTHERWISE SPECIFIED:

LINEAR	ANGLES	EDGES
0 UP TO 6: ±0.1		
OVER 6 UP TO 30: ±0.2	±3°	
OVER 30 UP TO 120: ±0.3		
OVER 120 UP TO -: ±0.5		

acc. ISO 13715:2000

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

DRAWING SIZE: A2

Sensata Technologies
JAN TINBERGENSTRAAT 80
7559 SP HENGELO
THE NETHERLANDS

TITLE

ENVELOPE DRAWING 85PP77-01

CNG TANK PRESSURE 85PP77-01

DRAWING STATUS: PRODUCTION

DRAWING NUMBER: T-674052-ENV

REV: G

SCALE 2:1 | SOLIDWORKS | SHEET 1 OF 2

REVISION SYMBOL: ⬡

PROJECT NO: -

REVISION ADDENDUM

DATE	REV.	ECO# ; DRAFTER	ZONE		DESCRIPTION
21-Nov-2016	A	ECO-140907; DK			INITIAL RELEASE FOR PRODUCTION
28-Feb-2018	B	ECO-215813; AM	C8	ADDED	CRITICAL CHARACTERISTIC
			C8	ADDED	SIGNIFICANT CHARACTERISTIC
			D4	CHANGED	CNG HOMOLOGATION NUMBERS
			C11	CHANGED	WEIGHT FROM 39 TO 33.12 G
29-Mar-2018	C	ECO-221942; RK	D4	Updated	CNG homologation number to 110R-020096 C
10-Apr-2018	D	ECO-224269;BG	E4	ADDED	TOLERANCE TO DIMENSION 24: "24±1"
17-May-2018	E	ECO-231105; RK	D4	Changed	The coding on the hexcup 10R-042447 should be changed to 10R-054107.
31-May-2018	F	eco-233999;AM	C11	CHANGED	NOMINAL SENSITIVITY FROM 15.38 TO 16
			B7	ADDED	TOLERANCE 120°±3°
			C5	CHANGED	P/N FROM 1265287 TO 12065287
06-Feb-2020	G	ECO-351399;DK	9C	CHANGED	LOAD RESISTOR, NOMINAL 0 BAR OUTPUT, NOMINAL SENSITIVITY, HIGH CLAMP RAIL AND SENSOR WEIGHT.
			8D	ADDED	TRANSFER CURVE

JAN TINBERGENSTRAAT 80
7559 SP HENGELO
THE NETHERLANDS

DRAWING SIZE	DRAWING NUMBER	REV
A3	T-674052-ENV	G

SCALE 1:1 | SOLIDWORKS | SHEET 2 OF 2