



QR Code Working in windshield & Door Glass

QR Code specification detail



QR Code Specification given in Windshield Drawing			
Sr No (Referred Drawing)	Parameter	QR Code Sticker Detail	Supplier Remark
3. C	QR Code Size	15.5 ± 1.0mm X 15.5 ± 1.0mm	
3. D	QR Code Sticker Size	20 .0 ± 1.0mm X 25.0 ± 1.0mm	SIZE Will Be 50x25mm
3. E	QR Code background	Letters in Black Colour, back ground in white colour	
3. F	Material	Vinyl Film / Polypropylene/ Polycarbonate/Polyester/ABS or equivalent	Polyester (1.8mil)
		Printing UV Ink, coated with lacquer	
	Tensile strength	110 kg/ cm ² Elongation 80 % (Min)	
	Thickness	80 microns	50 Microns (only sticker paper), Adhesive & liner thickness to be confirm)
	Release Paper	Silicon base	yes
3. G	Adhesive	Self adhesive rubber base from back	Acrylic
3. H	Label to withstand, condition	Peel off strength, water immersion, cross hatch test to meet TS:75015	Supplier is using ASTM D3330
		Environment to meet TS:75006	ASTM D 3330
		Weather Resistance test to meet TS:75007	ASTM D 3330
		Chemical Resistance test to meet TS:75065	ASTM D 3330
		No adhesive transfer	Its Permament Adhesive
3. I	Self Life	Minimum 01 year period from date of receipt when stored in original packing at 25° at 5% RH	Store at room temperature conditions of 72°F (22°C) and 50% relative humidity. If stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.



QR Code Specification given in Windshield Drawing							
Sr No (Referred Drawing)	Parameter	Detail					
3. I	Self Life	Minimum 01 year period from date of receipt when stored in original packing at 25° at 5% RH					
3. J	Appearance	No cracking, carling , fading, smudging of text & lines, colour bleeding or colour change & loss of adhesive					
3. H	Information with QR code	QR code contents following 32 characters information mentioned as per TML requirement for number scheme as per TS 11879					
		QR CODE DETAILS					
		DIGITAL DISCRPTION (NUMBER OF DIGITS)	TML PART NUMBER (00+12 DIGIT)	REVISION LEVEL (02)	TML VENDOR CODE (06)	MFG DATE (04)	COMPONENT SERIAL NO. (06)
		DIGIT FORMAT	NUMERIC	ALFA-NUMERIC	ALFA-NUMERIC	NUMERIC	NUMERIC
		XXXXXXXX	005523 6710 01 01	XX	XXXXXX	MMYY	XXXXXX
3. L	Location on glass	QR code sticker to be glued on windshield on inner surface					
		QR code sticker to be readable from inside					
		55 mm from inner edge of printing (horizontally) & 10mm (vertically) near marking					



BAR CODE

TS : 11879
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5. NUMBERING SCHEME :

The Tata Motors 32 digit Bar Code numbering scheme will be numbered in 5 barrels, consisting of Numbers & Alphabets.

Barrel-1

XXXXXXXXXXXXXX

TML Part no.

Barrel-2

XX

Revision level

Barrel-3

XXXXXX

Vendor Code

Barrel-4

XXXX

Month and year of Mfg.

Barrel-5

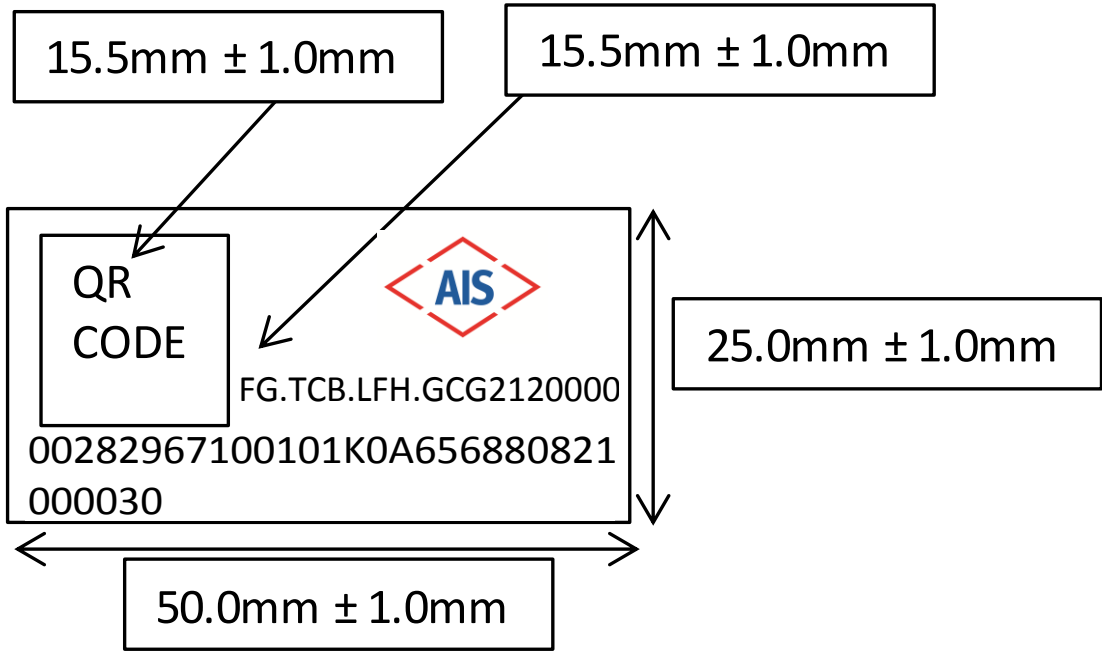
XXXXXX

Serial no.

Remark:
Bar Code Specification not in given in Door glass drawing hence requested to customer to provide same in door glass drawing

Table				
Barrel No.	Specific / Detail/Attribute	No. of characters	Format	Remarks
1	TML Part no.	14	Numeric	To incorporate colour suffix also (wherever applicable). Where there are less than 14 characters, 0's to be prefixed to keep the length as 14. Master data may need to undergo changes accordingly.
2	Revision level	2	Alpha - numeric	Same as revision level mentioned on TML drawing (or vendor drawing released by TML in TML PLM). If there is no revision level, then consider 00 at this position.
3	Vendor Code	6	Alpha - numeric	TML SAP Vendor code. This should be 6 digits.
4	Month and year of Mfg.	4	Numeric	MM (01 to 12) YY (13,14,15 and so on...)
5	Serial no.	6	Numeric	Vendor needs to provide only unique id for traceability purpose. Vendor can decide whether he wants to reset it on monthly / yearly basis.
<div>Example :</div> <div>215754109905ZZD0L014101213000002</div>				

QR Code Sticker Design Proposal – TML Pantnagar

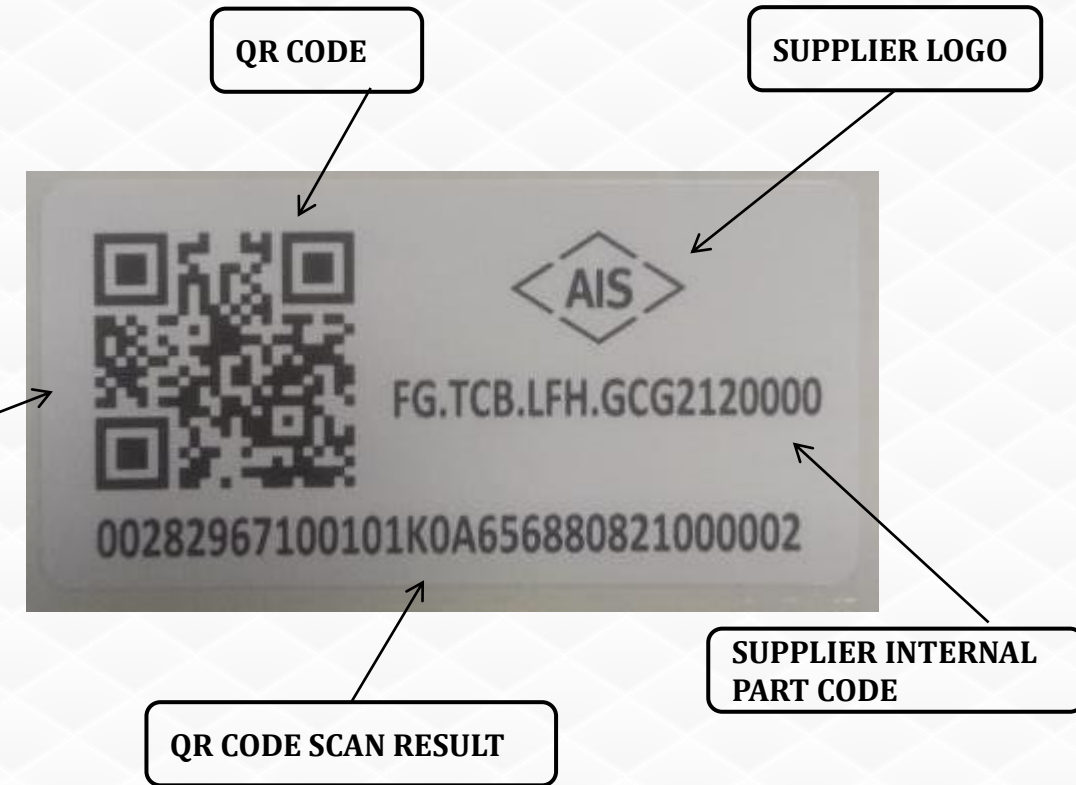
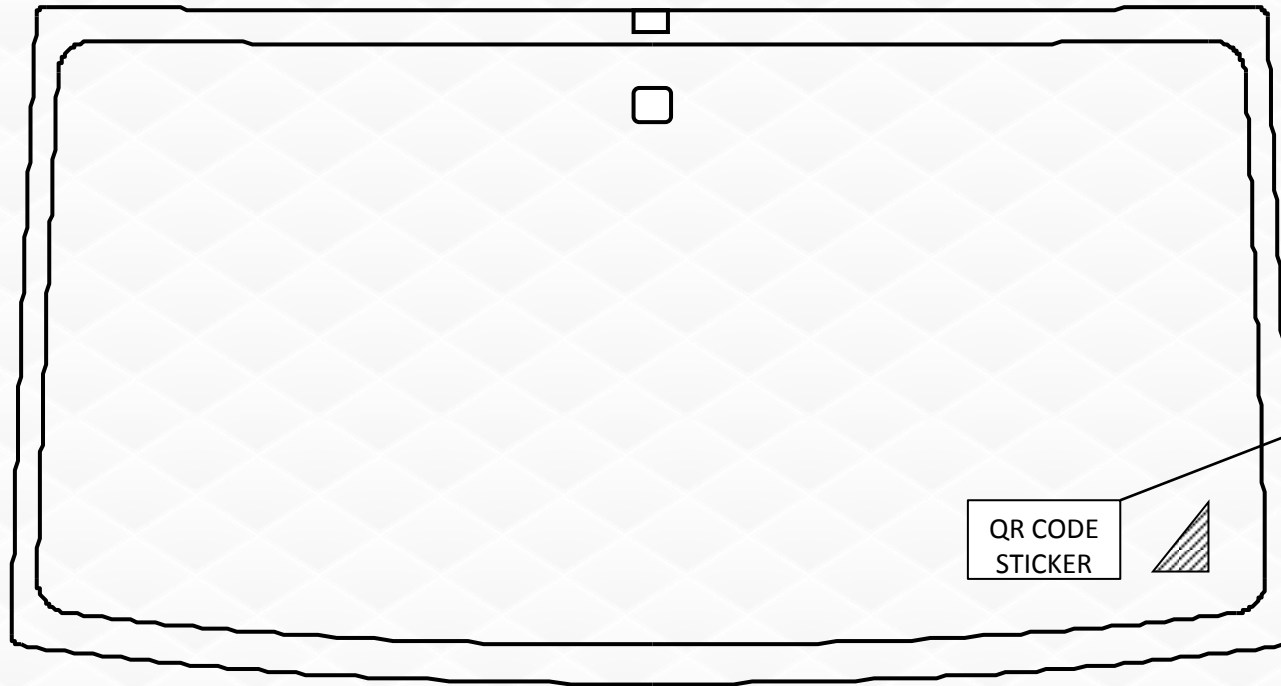


Remark:

- 1. Font Size for text & numeric to be use “Calibri 10 with bold”

QR CODE DETAILS					
DIGITAL DISCRIPTION (NUMBER OF DIGITS)	TML PART NUMBER (00+12 DIGIT)	REVISION LEVEL (02)	TML VENDOR CODE (06)	MFG DATE (04)	COMPONENT SERIAL NO. (06)
DIGIT FORMAT	NUMERIC	ALFA-NUMERIC	ALFA-NUMERIC	NUMERIC	NUMERIC
XXXXXXX	005523 6710 01 01	XX	XXXXXXX	MMYY	XXXXXX

Sr No.	Description				
	TML Part Number	Revision Level	TML Vendor Code	Mfg Date	Component Serial Number
1	00282967100101	K0	A65688	0821	000001
2	00282967100101	K0	A65688	0821	000002
3	00282967100101	K0	A65688	0821	000003
4	00282967100101	K0	A65688	0821	000004
5	00282967100101	K0	A65688	0821	000005
6	00282967100101	K0	A65688	0821	000006
7	00282967100101	K0	A65688	0821	000007
8	00282967100101	K0	A65688	0821	000008
9	00282967100101	K0	A65688	0821	000009
10	00282967100101	K0	A65688	0821	000010
11	00282967100101	K0	A65688	0821	000011
12	00282967100101	K0	A65688	0821	000012
13	00282967100101	K0	A65688	0821	000013
14	00282967100101	K0	A65688	0821	000014
15	00282967100101	K0	A65688	0821	000015
16	00282967100101	K0	A65688	0821	000016
17	00282967100101	K0	A65688	0821	000017
18	00282967100101	K0	A65688	0821	000018
19	00282967100101	K0	A65688	0821	000019
20	00282967100101	K0	A65688	0821	000020
21	00282967100101	K0	A65688	0821	000021
22	00282967100101	K0	A65688	0821	000022
23	00282967100101	K0	A65688	0821	000023
24	00282967100101	K0	A65688	0821	000024
25	00282967100101	K0	A65688	0821	000025



Remark:

1. QR Code sticker prepared in size of 25mm x 50 mm
2. AIS internal part code & logo added in QR code sticker
3. QR code scan result also added as per customer feedback

QR Code Sticker information Detail - Windshield



QR Code Printing Detail						
AIS Part Code - FG.TCB.LFH.GCG2120000						
AIS Part Name - Windshield						
Sr No.	Description					Final QR Code result
	TML Part Number	Revision Level	TML Vendor Code	Mfg Date	Component Serial Number	
1	00282967100101	K0	A65688	0921	000001	00282967100101K0A656880921000001
2	00282967100101	K0	A65688	0921	000002	00282967100101K0A656880921000002
3	00282967100101	K0	A65688	0921	000003	00282967100101K0A656880921000003
4	00282967100101	K0	A65688	0921	000004	00282967100101K0A656880921000004
5	00282967100101	K0	A65688	0921	000005	00282967100101K0A656880921000005

QR Code Printing Detail						
AIS Part Code - FG.TCF.LFH.GCG2120000						
AIS Part Name - Windshield						
Sr No.	Description					Final QR Code result
	TML Part Number	Revision Level	TML Vendor Code	Mfg Date	Component Serial Number	
1	00552367100101	K0	A65688	0921	000001	00552367100101K0A656880921000001
2	00552367100101	K0	A65688	0921	000002	00552367100101K0A656880921000002
3	00552367100101	K0	A65688	0921	000003	00552367100101K0A656880921000003
4	00552367100101	K0	A65688	0921	000004	00552367100101K0A656880921000004
5	00552367100101	K0	A65688	0921	000005	00552367100101K0A656880921000005

QR Code Sticker information Detail – Door Glass



QR Code Printing Detail						
AIS Part Code - FG.TCB.FDL.G00A000000						
AIS Part Name - Door Glass Left						
Sr No.	Description					Final QR Code result
	TML Part Number	Revision Level	TML Vendor Code	Mfg Date	Component Serial Number	
1	00282972502301	K0	A65688	0921	000001	00282972502301K0A656880921000001
2	00282972502301	K0	A65688	0921	000002	00282972502301K0A656880921000002
3	00282972502301	K0	A65688	0921	000003	00282972502301K0A656880921000003
4	00282972502301	K0	A65688	0921	000004	00282972502301K0A656880921000004
5	00282972502301	K0	A65688	0921	000005	00282972502301K0A656880921000005

QR Code Printing Detail						
AIS Part Code - FG.TCB.FDR.G00A000000						
AIS Part Name - Door Glass Right						
Sr No.	Description					Final QR Code result
	TML Part Number	Revision Level	TML Vendor Code	Mfg Date	Component Serial Number	
1	00282972502302	K0	A65688	0921	000001	00282972502302K0A656880921000001
2	00282972502302	K0	A65688	0921	000002	00282972502302K0A656880921000002
3	00282972502302	K0	A65688	0921	000003	00282972502302K0A656880921000003
4	00282972502302	K0	A65688	0921	000004	00282972502302K0A656880921000004
5	00282972502302	K0	A65688	0921	000005	00282972502302K0A656880921000005



Thank You