**Renesas Microcontroller Car Rally Track Specification**
28 November 2016
Version 2.0

IMPORTANT NOTE
The track plan shown in Figure 1 below supersedes any previous documentation and is based on the built physical track that will be used at the competition.

This specification remains subject to change. Please ensure that you check back regularly to www.mcurally.com, read the blog and look out for the monthly newsletter in your email inbox for the latest updates.

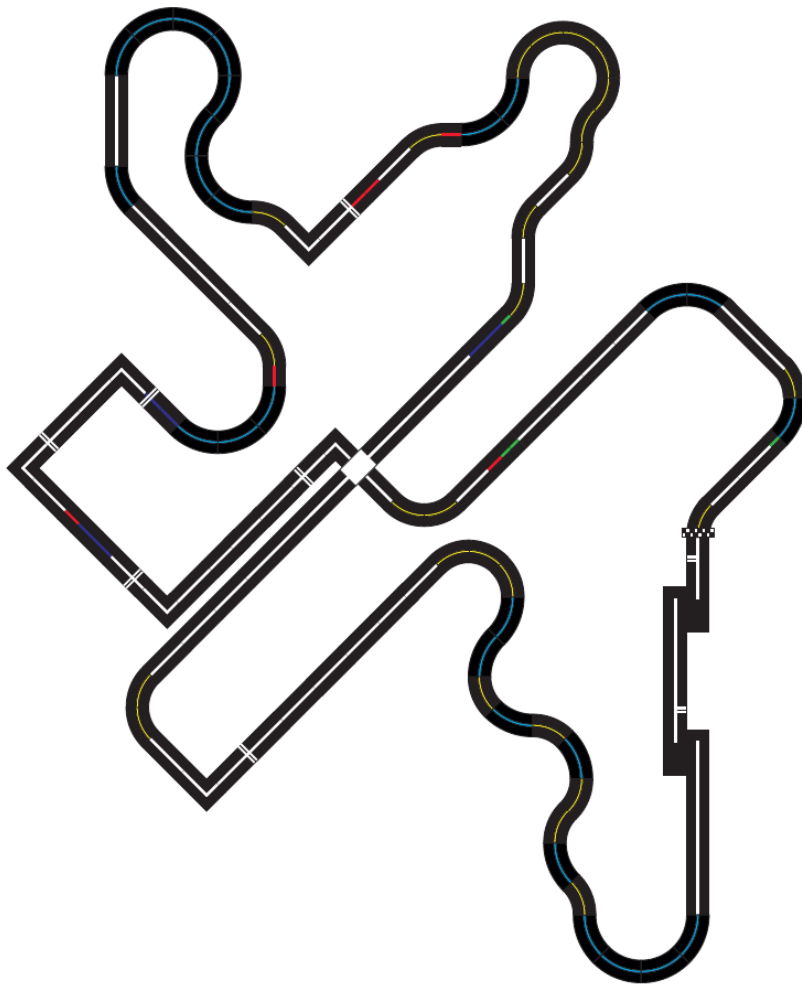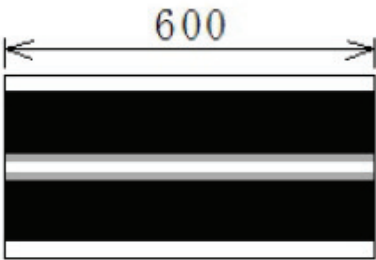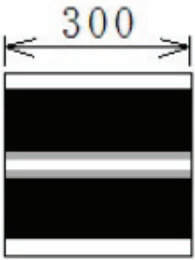<span style="color:red">INSPIRED BY JAPANESE GRAND PRIX TRACK SUZUKA!</span>



Figure 1: Track plan view

## Parts list of track set
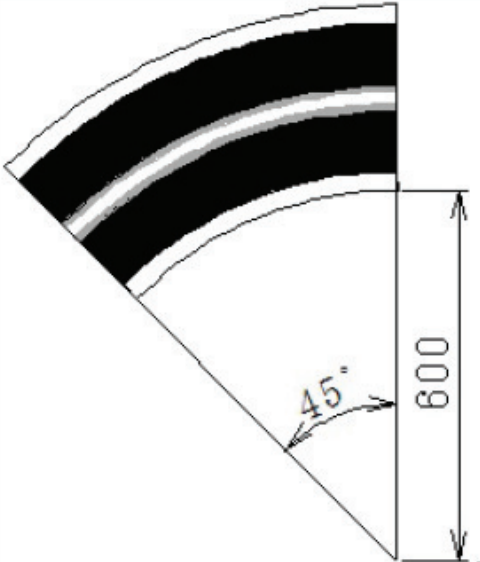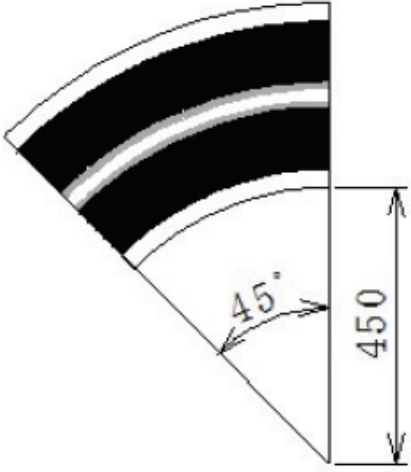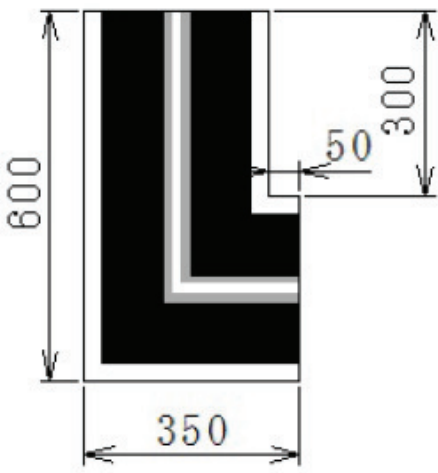
| Part name | Number of parts | remarks |
|---|---:|---|
| Right angle curve | 6 | |
| T600 | 45 | |
| T300 | 6 | |
| T250 | 6 | |
| T150 | 4 | |
| R600 | 27 | |
| R450 | 27 | |
| Right Lane Change | 1 | 1set   (RLC1,RLC2) |
| Left Lane Change | 1 | 1set   (LLC1,LLC2) |
| Slope | 2 | |

# Straights

| | |
|---|---|
| T600. | 600 |
| T300. | 300 |
| T250. | 250 |
| T150. | 150 |

# Curves

| | |
|---|---|
| R600 | 45°   600 |
| R450 | 45°   450 |
| Right angle curve | 600   350   50   300 |

Only one kind of part for right angle curve

# Lane Changes

| | RLC1 | RLC2 |
|---|---|---|
| **Right Lane Change**<br><br>**Set of RLC1 and RLC2** | 350<br>300<br>50<br>100<br>300 | 300<br>50<br>300<br>350 |

| | LLC1 | LLC2 |
|---|---|---|
| **Left Lane Change**<br><br>**Set of LLC1 and LLC2** | 300<br>100<br>50<br>300<br>350 | 350<br>300<br>50<br>300 |

# Structure of track



**Top view**

Gray sheet(mat color)

Black sheet(mat color)  Black sheet(mat color)

White acrylic board (mat color)  3

Side view
and
structure

30  10  20  10

110

Total height 30mm including
adhesive materials

Wood (plywood)  27

300

Slope:



600.0000mm

400.0000mm

4182.9928mm

Colour Reference:

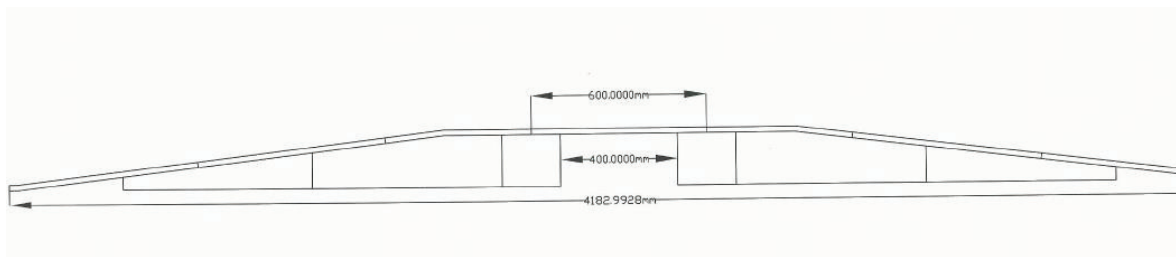The grey colour used in track production is as follows, in both Pantone or RAL references:
- Pantone 430c
- RAL 7037

# Inspired by Japanese Grand Prix circuit Suzuka

## Total track length - 1 lap = 66.73m

## Track covers roughly 10m x14m Space

Direction of race

Direction of race

Crosslines 700mm from turn

Direction of race

Crosslines 450mm from turn

Crosslines 400mm from turn

Crosslines 550mm from turn

Direction of race

Direction of race

Direction of race

Start/Finish Line

Half lines 500mm from lane change

Crosslines 500mm from turn

Half lines 400mm from lane change

Crosslines 700mm from turn

Direction of race

Direction of race

Direction of race

### Spare pieces:

1 x small curve

1 x large curve

Small curve

Large curve

600mm straight

300mm straight

250mm straight
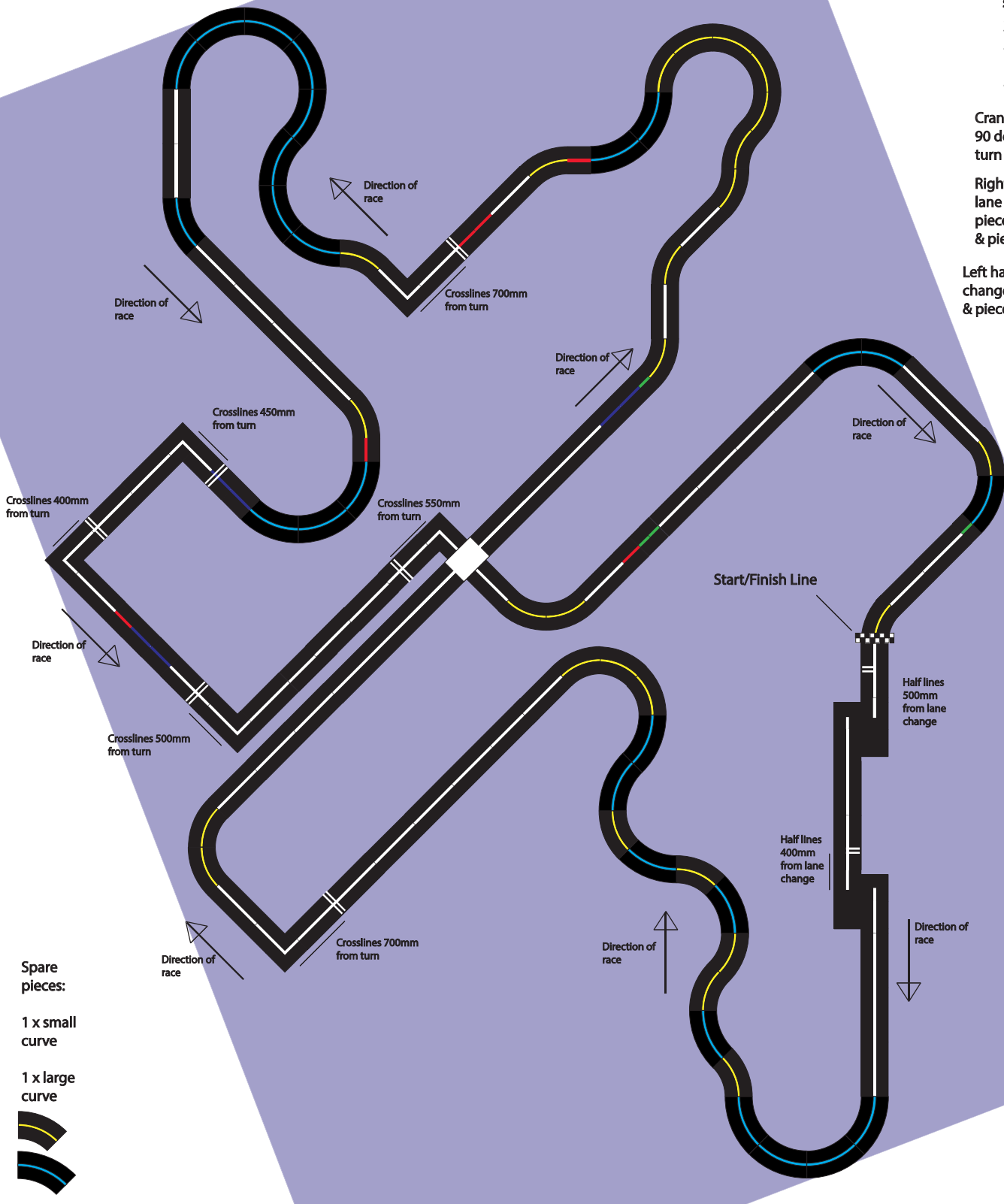
150mm straight

Crank piece 90 degree turn

Right hand lane change piece 1 & piece 2

Left hand lane change piece 1 & piece 2

Slope (4 x angled pieces & 2 x long straights &1 x straight)